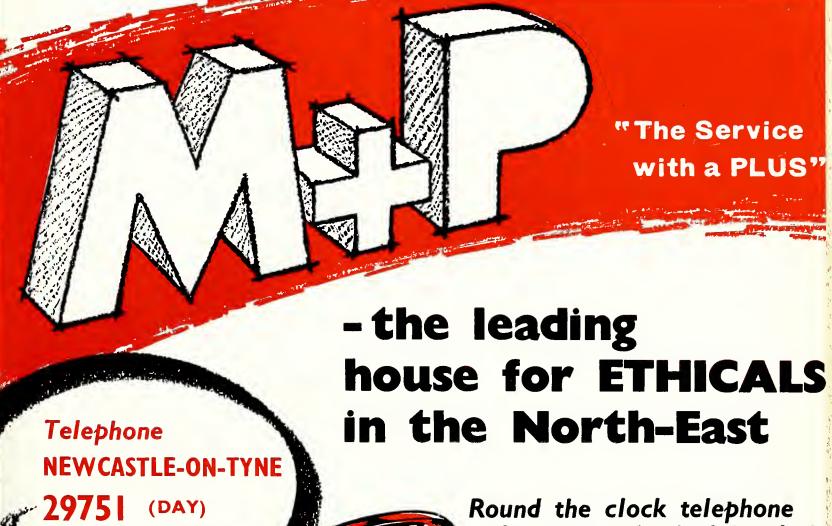
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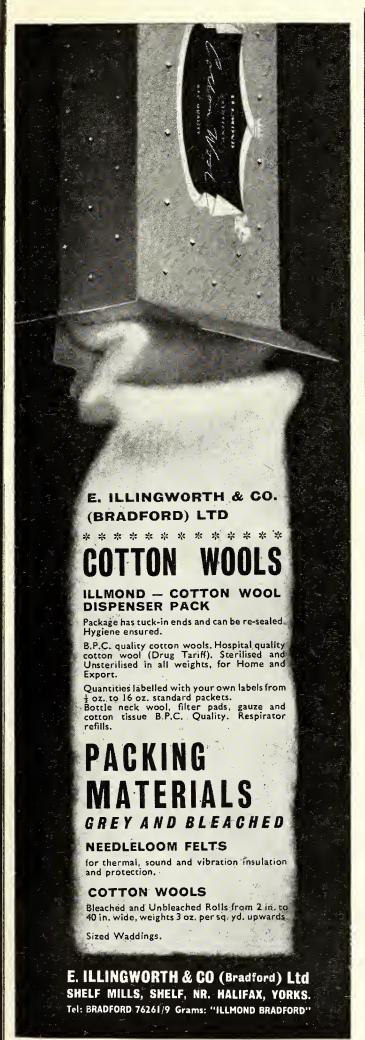


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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY and all sections of the drug, pharmaceutical, fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 179

May 18, 1963

No. 4344

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Volume 179

MAY 18, 1963

No. 4344

Overseas Pharmacists

PROCEDURE FOR REGISTRATION

OVERSEAS pharmacists from countries with which the Pharmaceutical Society of Great Britain has no agreement for the reciprocal recognition of qualifications may now apply for registration as pharmaceutical chemists in Great Britain following the approval by the Privy Council of a new by-law. The by-law provides for the appointment by the Council of the Society of an Adjudicating Committee to deter-mine the content and standard of the course and examination in pharmacy taken by the applicant, his knowledge of pharmacy as practised in Great Britain, and of the English language if that is not his mother tongue. Applicants are required to submit a fee of £5 5s, with the application and a sum of £31 10s. in respect of the inquiry conducted by the adjudicating committee. At the oral inquiry the committee will decide on the further requirements with which the applicant must comply in order to obtain registration. The applicant will normally be required to complete the third and final year of the Qualifying course at a school of pharmacy in this country and pass Part III of the Qualifying examination in all subjects. Applications are to be con-sidered individually and the requirements as to the course of study and written examination may be increased or decreased by the Committee. As a general rule all applicants will be required to complete one year's employ-ment in Great Britain in either a retail or a hospital pharmacy before applying for registration.

Outpatients' Prescriptions

COST TRANSFERRED IN SCOTLAND

SINCE April 1, the total cost of prescriptions on forms R.B.P. (Scotland), which in certain circumstances are issued to out-patients by National Health Service hospitals or clinics and dispensed by chemists, has been transferred from the pharmaceutical to the hospital services. There is no change in the arrangements for pricing and payment. After pricing, the forms are sent to the responsible hospital boards so that they may be examined and the cost charged to the issuing hospital or clinic. Pricing bureaux will not normally be able to recover the forms when a chemist wishes to inspect his bundle of priced prescriptions, but they will make a special check of their pricing, and in their place will substi-

tute a note giving a summary of the number of forms extracted and their total net ingredient cost. The Pharmaceutical Standing Committee (Scotland) has agreed to the arrangement.

Proprietary Preparations

JOINT COMMITTEE CLASSIFICATION

THE Standing Joint Committee on the Classification of Proprietary Preparations has classified the following products in category N (new drugs of proved value which are not yet "standard"). The term "standard" is intended to mean preparations described in the British Pharmacopæia, British Pharmaceutical Codex and the British National Formulary:—

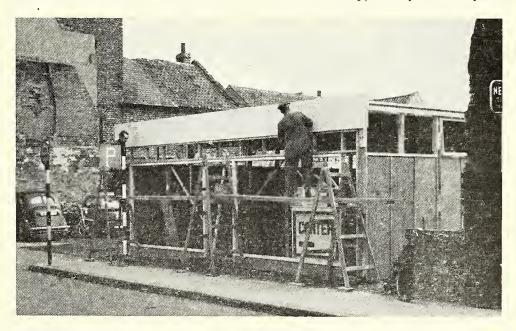
Acimetion tablets (Continental Laboratories); Alcopar granules (Wellcome); Aldactone-A tablets (Searle); Aldocorten injection (CIBA); Anahaemin injection (B.D.H.); Anthiphen tablets (May & Baker); Apresoline injection and tablets (CIBA); Asterol tincture (Roche); Astrafer I.V. (Astra-Hewlett); A.T.10 solution (Bayer); Bioglan-R injection (Bioglan); Celbenin (Beecham); Colcemid injection and tablets (CIBA); Colliron I.V. (Evans Medical); Cytostatic E.39 capsules and injection (F.B.A.). Daranide tablets (Merck Sharp & Dohme); Darenthin tablets (Wellcome); Degranol injection (Leda); Entamide tablets (Boots); Episol cream and lotion (Crookes); Etisul-T cream and Etisul lotion (I.C.I.); Examen injection (Glaxo); Ferriven'n injection (Benger); Flagyl tablets (May & Baker); Flubron (Pfizer); Flugen (Beecham); Fulcin and Fulcin Forte tablets (I.C.I.); Fungizone injection and lotion (Squibb); Furamide tablets (Boots); Grisovin FP

and Grisovin tablets (Glaxo); Hepastab injection (Boots); Hepatex T (Evans Medical); Ilidar tablets (Roche): Imferon (Benger): Influvac (Crookes): Invirin (Glaxo); Ismclin tablets (CIBA); Jectofer I.M. (Astra-Hewlett); Katonium powder (Bayer); Laroxyl injection and tablets (Roche); Librium injection, tablets and capsules (Roche); Livadex injection (B.D.H.); Melsedin tablets (Boots); Methionine B.D.H. tablets (B.D.H.); Munevan (Evans Medical); Mycil preparations (B.D.H.); Narphen injection (Smith & Nephew); Neointravenous (Crookes); Neo-Hepatex (Evans Medical); Nystatin preparations (Squibb); Orbenin capsules and injection (Beecham); Para-Thor-Mone injection (Eli Lilly); Parathyroid hormone (Pabyrn) (Paines & Byrne); Pcnicillamine D.C.(B)L capsules (Distillers); Pernacmon forte injection (Organon); Pyrazinamide tablets (Merck Sharp & Dohme); Resonium A (Bayer); Saroten tablets (Warner); Tapazole tablets (Eli Lilly); Tofranil injection and tablets (Ceigy); Taramino injection and ta tablets (Geigy); Tetramine injection and tablets (I.C.I.); Transid tablets (Duncan, Flockhart); Trillekamin (Crookes); Tryptízol injection and tablets (Merck Sharp & Dohme); Uvistat (Ward, Blenkinsop); Vanquin suspension and tablets (Parke, Davís).

Mercurial Fungicides

ABSORPTION BY PLANTS REPORTED

THE uptake of mercury by roots, leaves and fruits after applications of mercurial dressings and sprays was reported in a paper on "Mercury Residues in Plants," by J. A. Pickard and Dr. J. T. Martin (Long Ashton research station, University of Bristol), presented to the Western Section and Physical Methods Group, Society for Analytical



PREFABRICATED PHARMACY: Because of redevelopment in Norfolk Street, King's Lynn, Mrs. I. M. Andrews, M.P.S., had to leave the premises she had occupied as a pharmacy for the past nineteen years. She was granted a lease of a plot nearby where she has had a prefabricated shop erected. The illustration shows workmen busy on the construction. [Courtesy, Eastern Evening News

Chemistry, recently. Roots of lettuce and dwarf bean plants accumulated mercury from nutrient solution containing phenylmercuric acetate, but little translocation to the foliage occurred. Carrots grown in soil treated with mercuric chloride contained up to 0.05 parts per million of Hg when seed was sown immediately after soil treatment but delay in seeding eliminated the contamination. Apple leaves mercury, deposited as phenylmercuric aeetate, within a few days; broad bean plants sprayed at early flowering later showed mercury in the pods, seeds and roots. Applications of phenylmereuric acetate to the leaves of potato plants led to contamination of tubers. The results indicated that while absorption of mercury by roots was followed by little translocation to aerial parts, the penetration of mereury into leaves led to movement throughout the plant. The edible portions of crops treated under commercial conditions with mercurial fungieides eontained under 0·1 p.p.m.

Shop Closing Hours

EXTENSIONS "STRONGLY DEPRECATED"

LATE shop closing hours were the subject of a statement issued recently by the Distributive Workers' Trade Union International. Where shop closing laws or shop closing arrangements were established by practice, said the statement, "any attempt to extend the closing hours laid down is to be deprecated in the strongest possible terms. extension meant an unjustifiable eneroachment on the leisure of the employees at a time of the day most valuable to them. The statement went on:

It cannot be justified on economic grounds since present shop closing hours, whether established by law or by practice are considered to be adequate to meet the reasonable requirements of the consumer, Furthermore, in the highly competitive conditions of retail trading, later closing hours introduced by one firm must inelead to other firms adopting similar measures, until, in the end, all control would be undermined and the protection which the closing laws or practices were intended to give to the employees would be swept away. It would also be detrimental to the consumer and to the economy since it must inevitably add to the overhead costs of distribution and therefore to the price levels of the goods sold in the shops.

Pharmaceutical Society

MOTION FOR ANNUAL MEETING

AT the annual meeting of members Pharmaeeutical Society May 22, the following motion is being submitted by Mr. W. A. BEANLAND:

That, in order to enhance the professional standing of the pharmacist, and for the protection of the lay public, the Council of the Society should take immediate action to secure additional legislation on the labelling of medicinal preparations in order to ensure that:

(i) In the formula declaration the accepted

synonym must be used either in addition to, or in place of, the chemical or pharmacopæial name.

- (ii) All preparations containing acetylsalicylic acid must state on the label and on all wrappings and containers, in letters at least as large as any used on said labels, etc., and in a contrasting colour, the
 - (a) "These are aspirin tablets, B.P."
 - (b) "These tablets (powders, etc.) contain aspirin, B.P.

followed by:

"and must not be taken in conjunction with other preparations containing, aspirin,"

(iii) All laxatives must bear a warning drawing attention to the dangers of regular and continued use.

IRISH NEWS

THE NORTH

Ulster Chemists

MONTHLY MEETING OF EXECUTIVE

MEMBERS of the executive committee of the Ulster Chemists' Association were guests of the Portadown Chemists' Association for their May meeting on May 7, the president (Mr. N. A. J. Anderson) in the chair. Mr. J. K. Mc-Gregor (eonvenor) reported on meetings between the Aetion Committee and various manufacturers, and the resultant agreements to continue policies of distribution of products to chemists only in Northern Ireland. He spoke of the committee's desire to visit as many members as possible, and reported on a visit paid to the Londonderry and Strabane Chemists' Association. The committee was looking forward, he said, to meeting ehemists at Omagh on May 22. Mr. MeGregor said it was hoped to hold a tripartite meeting between National Pharmaeeutical Union, Scottish Pharmaceutical Federation and Ulster Chemists' Association in Belfast in June. Mr. J. J. Speers thought the executive committee deserved congratulations but felt that members knew little of what was taking place. More information should be issued. He was positive that members would back the eommittee up to the full if they knew more. The president said that every effort was being made to keep the members informed, particularly in respect of new products being "vet-ted" by the executive committee. Members should know which manufacturers to support — those who consistently supported the chemists. Discussion followed concerning the widening trend of distribution of pharmaeeutical lines to non-ehemist traders; veterinary business, and local problems. The date for the U.C.A. conference was eonfirmed as being at the Northern Counties hotel, Portrush, September 27-29. It was agreed to call a special meeting of the executive committee on May 23 to consider a claim for an increased wages scale put forward by the Associates' Section. Mr. W. H. Boyd thanked the Portadown Chemists' Assoeiation for their hospitality.

Present were: Miss D. Hall, Messrs. H. Present were:—Miss D. Hall, Messrs, H. S. Anderson, N. A. J. Anderson (president), W. H. Boyd, J. A. Brown, W. E. Cooper, H. W. Gamble, R. Gibson, J. Knox, W. J. Moffett, J. K. McGregor, T. I. O'Rourke, J. Paul, J. F. Rankin, C. L. G. Rattie, J. C. Wellwood, Miss A. E. Strachan (secretary), Apologies for absence were received from Mrs. A. S. G. Watson, Messrs, H. Donaghey, T. A. Gibson, W. L. Messrs, H. Donaghey, T. A. Gibson, W. L. McDonnell, R. A. McEwen, J. McMillan, M. C. Mooney and A. Templeton.

IRISH BREVITIES

THE REPUBLIC

MR. W. J. Kilmartin was senteneed at Dublin Circuit Criminal Court on April 30, to eighteen months' imprisonment after being found guilty of breaking into and entering the pharmaey of George Brown & Sons, Ltd., Stephen's Street, Dublin.

ATHLONE Chamber of Commerce has this year a pharmaeist president and vice-president in Messrs. J. P. Newell and S. Fox.

THE NORTH

Prescriptions dispensed in Northern Ireland during February numbered 574,101 (403,038 forms). The total eost was £307,739 (£249,987 net), an average of 128.65d, per prescription (106.51d.

NEWS IN BRIEF

At the annual meeting of the British Rubber Hot Water Bottle Manufaeturers' Association, on May 7, Mr. E. Bowker (Dunlop Rubber Co., Ltd.), was re-elected *Chairman* for 1963–64.

An album to mark the centenary of the Red Cross organisation has been published by World Health, the magazine of the World Health Organisa-

JAMAICA has beeome a full member of the World Health Organisation. That brings the number of members up to 118, of which one is an assoeiate member.

THE development of a new, lightweight material, eomposed of bonded silica and aluminium, and withstanding temperatures of 400° C., has been announeed by Rolls-Royce, Ltd.

FIGURES released by the Registrar-General suggest that the population of England and Wales may increase from the mid-1962 figure of 46,768,000, to 63,774,000 by the year 2002.

A COURSE of lectures in industrial toxicology for engineers and ehemists in industry is being given in the department of ehemical engineering, Imperial College, London, S.W.7, June 17-21.

A SYMPOSIUM on "Surface Activity and the Microbial Cell," arranged by the Society of Chemical Industry, 14 Belgrave Square, London, S.W.1, takes place in London, September 24-25.

GUIDANCE on the equipping of hospital general medieal and surgical ward units is given in "Hospital Equipment Notes," No. 4 (H.M. Stationery Office, priee 3s.).

THE National Spasties Society and the British Council for the Welfare of Spasties have amalgamated. They are continuing their activities as the eontinuing their aetivities as the Spastics Society, 12 Park Creseent, London, W.1.

PRODUCTION in the United Kingdom by the Chemical industry during 1962 was, at £755 millions, 4 per eent. higher than in 1961. Inorganie and pharmaeeutical preparations increased by 3 per eent.

BUYERS and purehasing officers from all over Europe are attending a conference in Britain of the European Federation of Purchasing in the spring of 1964. The eonference is organised by the Purchasing Officers' Association.

NINE British doctors, nurses or members of public health services have been awarded grants under the medical fel-lowships scheme of the Council of Europe to spend up to three months in 1963 studying in a European eountry.

REPORTS of expert committees on Urban Health Services (No. 250) and Cancer Control (No. 251) have been published by the World Health Organisation in its technical report series.

THE annual course in tropical hygiene for laymen is being held by the Ross Institute of Tropical Hygiene, London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1, July 1-5. It is designed for those who may be responsible for the health of industrial labour forces in the tropics.

RECIPIENT of the badge of office for the chairman of the Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society recently was Mr. James H. Henderson (retiring chairman) and not as stated under the illustration in last week's issue of the C. & D.

Subjects of current exhibitions at the Wellcome Historical Medical Library, Euston Road, London, N.W.1, are: (1), 400 years of mental health in Great Britain (documents, photographs and books); (2), William Smellie (bicentenary of his death) (photographs); (3), David Livingstone (one-hundred-and-fiftieth anniversary of his birth) (books and autographed letters). The Library is open to the public from 10 a.m. to 5 p.m., Monday to Friday.

SPORT

Golf.—LIVERPOOL CHEMISTS' GOLFING SOCIETY, Results of meeting held at Woolton golf elub on April 24; *Ucal cup and tankard*, E. Wild, 84 (14) 70; *second prize*, M. Chisell, 94 (24) 70; *third prize*, A. L. Haynes, 93 (20) 73.

LONDON CHEMISTS' GOLFING SOCIETY. The first meeting of the season was held at Hendon golf club on April 25. Results: Sanger cup and prize, C. H. Ryder, handieap 16, score 73 net. Thomson cup and prize, A. Talbot, handicap 13, score 32 points. Jubilee vase and prize, E. G. Smith, handicap 7, score 75 net.

SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY and LONDON CHEMISTS' GOLFING SOCIETY. Forty players attended a combined meeting of the two Societies on May 8 and played a Stableford competition. Results: 1, G. Philp (Langley Park), 35 points; 2, E. Marks (Potters Bar), 34 points (best score on last nine holes); 3, J. Bennett (South Hertfordshire), 34 points; 4, H. P. Southcott (Royal Blackheath), 33 points.

SOUTH MIDLANDS CHEMISTS' GOLFING SOCIETY. Results of meeting held at Bramshaw golf club, Lyndhurst, Hants, on May 12. Maplethorpe trophy, 1, J. F. A. Royal, 71 points (medal round); 2, Miss Adey and I. C. Pring, 72 points (medal round). Southampton chemists' cup, I, C. Pring, Stableford foursome, 1, B, Fox and A. Sprules; 2, H. H. A. Biggs and M. Biggs.

LOCAL OFFICERS

PHARMACEUTICAL SOCIETY

Blackpool.—Chairman, Miss M. G. Parkinson; Vice-chairman, H. Rigby; Treasurer, M. W. J. Limb; Assistant Secretary, Miss L. I. Anderson; Secretary, A. S. Smith, 8 Blackpool Road, Great Carleton, Poulton-le-Fylde, Blackpool, Lancs.

East Kent. — Chairman, A. R. Waterhouse; Vice-chairman, B. A. Porter; Secretary and Treasurer, D. J. Blake, 162 The Street, Boughton, Faversham, Kent.

Swansea and West Glamorgan, — Chairman, G. G. Davics; Vice-chairman, N. G. M. Burgess; Treasurer, G. R. Brown; Secretary, G. Paster, 58 Glanbrydan Avenue, Uplands, Swansea.

NATIONAL PHARMACEUTICAL UNION

West Surrey.—Chairman, T. Reid; Secretary, D. J. A. Morgan, 75 Woodbridge Road, Guildford Surrey

TOPICAL REFLECTIONS

By Xrayser

Changing pattern

Mr. R. H. Kemp's recent address at Weston-super-Mare covered a broad canvas, depicting as it did such subjects as the Pharmacy Act of 1908, the National Health Insurance Act, the effects of the First World War on pharmacy, and other related but not-often-touched-on matters. Mr. Kemp's work has enabled him to take a panoramic view not readily obvious to those who move (or are anchored) in a more confined space, and for that reason his views are worthy of thought and consideration. The suggestion that we may lose 2,000 pharmacies within the next ten years is one that may come as a shock, but it is probably an intelligent anticipation based on what has in fact been happening in recent times. Mr. Kemp's rendering of the situation is that, consequent upon the decision of the Pharmaceutical Society to grant special privileges to those returning from the 1914-18 war, the register became swollen far beyond the needs of the community. The failure to secure employment, or to find a living wage, led to the opening of many businesses that were hardly economic, though their abundance led the public to expect to find a pharmacy in their own street or just round the corner. Allowing for a forty to forty-five year average active pharmaceutical life, we have now reached the position where most of those who qualified and opened pharmacies are now nearing the close of their career, and to many the situation is tragic. No matter how mediocre or indifferent the business may have been, it has occupied the whole of a man's working life and, pharmacy being the exacting occupation that it is, has allowed little leisure time. The hope must have been that, when the long day closed, there would be someone willing to buy an existing business, thus providing the owner with a modest sum which would allow for some comfort in the autumn of his life. The situation has changed radically. Many businesses are quite unsaleable, and their owners are faced with the dire alternatives of going on working long hours until nature calls a halt, or of closing the door on a life of constant struggle. And Mr. Kemp sees 2,000 of these in the next ten years.

Opposition

Turning his attention to another field, Mr. Kemp referred to the severe competition retail chemists are experiencing today from supermarkets and department stores, instancing also evidence of price-cutting. It may have surprised many to learn that grocers are now responsible for 64 per cent. of the sales of tooth-pastes, 84 per cent. of toilet soap and 51 per cent. of the shampoo market. The figures, said Mr. Kemp, demonstrated what chemists were losing and indicated the future potential trading. "Potential" is the operative word, for I can hardly see that it will ever become reality. The manufacturers know—none better—that most people pay a daily visit to the grocer, and it is a simple matter in a grocery store to pick up the soap and the tooth-paste along with the sugar, the butter, the detergent and the shampoo. The convenience of it all has made the transition only too rosy, leaving the awkward and difficult and unusual to be found in the pharmacy. The same has applied to proprietary medicines. It must be left to the pharmacist himself whether to display in quantity the goods obtainable in the grocers, to the exclusion of other goods peculiarly his own, or to accept the situation engineered by manufacturers who were once glad of his support.

Shopping guide

I recently received a brightly coloured twelve-page guide to help me in my shopping problems. Page one advised me that I could obtain my tooth-paste at a saving of threepence by taking a coupon to my dealer, at the same time seeing for myself improvements in whiteness in my teeth. The third page doubled its effort to get my support by offering sixpence off a body spray. There was no end to the bounty offered, which included a year's free supply of washing powder with a washing machine, provided I bought the machine as a result of a coupon. And I naively thought that we had got rid of coupons about 1950!

General Practice of Pharmacy

DUBLIN MEETING OF INTERNATIONAL FEDERATION'S COMMISSION

SURPRISE that the Republic of Ireland had not yet developed a scheme of health insurance that would provide a pharmaceutical service through pharmacies, on the general model of other European countries was the general reaction of the delegates from ten continental countries who attended the meeting in Dublin, April 30 to May 2, of the Commission on the General Practice of Pharmacy of the International Pharmaceutical Federation.

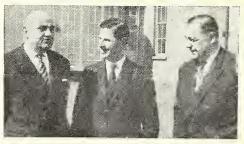
Public Money Necessary

Speaking at a dinner on May 2, the president of the Federation (SIR HUGH LINSTEAD) said that the visitors had been disappointed to find that the public health service had not developed so rapidly in the Republic as in other parts of Europe. "It might be well for you in the Republic to adopt some form of insurance scheme linked with a hospital service first, and then to extend it slowly to the public health service." On pharmaceutical education, Sir Hugh said that the first school of pharmacy in London had been maintained by the Pharmaceutical Society out of its own funds for eighty years, but the cost eventually became more than a private body could meet. He felt the time was not far away when public money would be necessary for the running of the Society's college if Irish pharmacy was to keep abreast of mod-ern, scientific teaching. "You have ern, scientific teaching. brilliantly and loyally done your part, but you cannot be expected to go on doing so indefinitely.

Sir Hugh was replying to the toast to the Federation and Commission proposed by the president of the Council of the Pharmaceutical Society of Ireland (MR. D. J. KENNELLY). Associating himself with the reply, the Commission's president (M. Frank Arnal) a former French Minister of State, declared himself "a pharmacist by profession and a member of Parliament by vocation." Pharmacists must show that they were as important as anybody else in the maintenance of public health, because that would be forgotten if they did not continually stress it in public."

MR. KENNELLY, after welcoming the guests in the Irish language, hoped that they would all return "in a couple of years" as delegates to a full congress of the Federation.

"Gencral practice," he said, "is the keystone of the profession, and it is of vital importance that it should be based on a sound economic foundation. That principle has been accepted in other European countries, where the State not only allows, but insists, that all medicines shall be dispensed by pharmaccutical chemists." In most European countries the ratio of people to a pharmacy was controlled by law, not in order to give a monopoly to pharmacists, but to ensure that pharmacy was economic and that people received a first-class pharmaceutical service. The State also often insisted that proprietary or "patent" medicines should be sold





COMMISSION ON GENERAL PRACTICE OF PHARMACY (F.I.P.) MEET IN DUBLIN. Left: Messrs, Frank Arnal, France (chairman of the Commission), D. J. Kennelly (president, Pharmaceutical Society of Ireland) and Pierre Martinot, France (secretary of the Commission), Right: Mlle, M. Girard, France, with Messrs. Petrus, Austria, Brus, Belgium, and Wildpret, Canary Islands.



Members of the Commission assemble in St. Stephen's Green for a coach tour to the Boyne Valley.

through pharmacies. Britain and Ireland had developed under more haphazard conditions. Regulations ensured that the sale of scheduled poisons was confined to pharmacists, but in recent years the household remedies, which had been regarded as the economic basis of pharmacy, had begun to be distributed through other channels. In Britain, the National Health Service had come into being, with virtually all dispensed medicines being distributed through pharmacies; the profession there, at least for the moment, had been saved.

In Eire, there were 1,300 pharmacies—one for about every 3,000 of the population, yet they served only 55 per cent, of that population with dispensed medicines, and that percentage seemed to be decreasing. No other small country could afford a "two-pharmacy service"; no individual could compete with the State, "You cannot maintain an elaborate, costly service for only 50 per cent, of the population. The people are entitled to an efficient and complete pharmacy service. It is up to the Government to decide whether they are going to get it or not."

Mr. Kennelly said that, when they had felt that Britain and Ircland would be joining the European Economic Community, Irish pharmacists had looked forward to joining their professional brethren on the continent. They must, unfortunately, wait a little longer, but the Pharmaceutical Society of Ireland had worked, and was working hard towards that goal. He thanked the Federation for its efforts to improve the status of a noble profession.

The dinner was also attended by

members of the Council of the Pharmaceutical Society of Ireland; the Irish Drug Association and other pharmaceutical organisation.

Business Session

Following a business session on the final day, Sir Hugh Linstead issued a statement that the main business was to prepare an inquiry in the ten countries represented at the meeting into whether the public were taking too many drugs. Other questions to be investigated were the amount of drugs taken in a year by each man, woman and child in a country; how many were prescribed by doctors and how many without medical advice. They also wanted to know why people bought drugs from shops that were not pharmacies, "We believe the chemist has a duty sometimes to warn a customer that he is taking drugs unwisely. That is one of the reasons why, in every country, pharmacists are registered by

the State.

"We have also decided to study the question of the ownership of a chemist's business." The old tradition was "one chemist, one shop," but in America and some Anglo-Saxon countries many pharmacies were owned by companies. That meant that financial considerations might replace professional standards. That was bad for the public, and they wanted to prevent it spreading. A new section of work, the "technique of the chemist's shop," had been started, and a subcommittee would tell chemists what could be done to maintain the chemist's shop as a place where medicines could still be made up

Commons Debate on National Health Service

MINISTER DEFENDS COHEN COMMITTEE MAJORITY REPORT

DURING a debate on the National Health Service in the House of Commons on May 8 Mr. ENOCH POWELL (Minister of Health) said, in a reply to MR. KENNETH ROBINSON, that he wished to remove any notion that the Committee on Safety of Drugs was "lacking in teeth and incapable of giving effective service." Mr. Robinson had tive service." Mr. Robinson had charged the Cohen Committee with producing a solution "both unsatisfactory and disappointing." The voluntary scheme of the Committee, he said, involved no legislation, and could have no real sanctions of any kind. The basic poisons legislation, derived from the mid-Victorian era, was unsuitable for dealing with the problem of modern drugs and medicines. The Cohen Committee must have been aware that a comprehensive review of legislation had been undertaken by an Interdepartmental Working Party, which had reported to the Minister in July 1962. Surely that was relevant to its inquiry?

Minority Report

Mr. Robinson declared that a more satisfactory solution was to be found in the minority report by Mr. J. B. Grosset and Sir Hugh Linstead. "They list criticisms of the majority recommendations in a quite devastating way. The speed at which the Minister had accepted the idea of a voluntary scheme suggested that he had received a recommendation for which he had hoped. He believed that the Minister, by preferring to shelter behind an optional scheme and a semi-independent body with no teeth, was acting in dereliction of his duty to protect the health of the public. Had the Minister waited to hear the views of the House and the pharmaceutical and medical professions he would have found powerful support for the minority views.

In his reply, MR. POWELL reviewed the separate functions the Committee on Safety of Drugs would have to discharge. Collecting and evaluating data would demand the co-operation of a large number of people. It would be voluntarily given and could not be enforced. On the Committee's function of advising on the adequacy of toxicity tests before drugs were submitted to clinical trial, he said that effective control was in the hands of the consultant who would be carrying out the trial: he could not conceive that a consultant would ever go against the advice of so influential and authoritative a committee. Similarly it was virtually incon-ceivable that a doctor would deliberately prescribe for a patient, without the strongest reasons, a new drug that had either not been cleared by the Committee or upon which the Committee had rendered an adverse report. "Therefore we are left only with the extremely improbable and unusual case where a new medicinal substance would be first brought into use as a 'non-ethical' in a sale across the counter." It was diffi-cult to think that that could occur. But if it did, then arrangements would be made for all drugs that were put on

the market, including such a drug as he had posed—to come immediately to the notice of the Committee. If there were any question of the Committee's not being satisfied, then in the brief interim between their receiving knowledge of the drug and reporting upon it, he had no doubt that the co-operation of the pharmaceutical profession would be available to ensure that the drug was not offered for sale to the public. In reality, therefore, the arrangements were armed with effective teeth. It would neither pay a manufacturer nor would it be practicable for him, to market a new drug without clearance by the Committee or contrary to its re-commendations. Whatever might be the legislative form it might eventually be desirable to give the control-"as, indeed, it is certainly desirable that there should be a legislative reform of our law relating to drugs generally "was sure that those provisions would be sounder, more practicable and better based as a result of the arrangements now being set up on a voluntary basis.

LORD BALNIEL thought that the logic of the Committee's own argument was entirely in favour of the minority report. Failure to pursue that logic was a serious failure by the Committee. However he agreed, he said, neither with the Minister nor with the Advisory Committee. He wanted to see the reresting solely with the sponsibility pharmaceutical companies and the docfors. His belief was that, in advising on measures to reassure the public that all possible steps were being taken to prevent the marketing of new drugs that had not been the subject of adequate safety testing and clinical trial, the subcommittee had taken upon itself a political decision that did not lie within its responsibility.

SIR HUGH LINSTEAD said he could not support the Minister. The thalidomide tragedies had shown that the effects of a new drug on whole populations could not be discovered until it had been given to a whole population. In the handling and marketing of drugs ordinary commercial rules could not be allowed to apply. "We cannot just say 'caveat emptor'—let the purchaser read the advertisement, buy the drug, try it and see what happens." Even the physician could not be expected to keep up with the immense advances of medical science.

An American Viewpoint

He doubted the effectiveness of present safeguards to ensure that drugs were effective for the purposes for which claims were made. A warning system was also needed against unexpected side effects. Sir Hugh continued "I received only yesterday morning from the president of a pharmaceutical manufacturing company in America, who had read our 'note of dissent,' a letter of which the following is an extract:

"As I understand it you are taking the position that the control of animal and human testing of new drugs (as well as old drugs for new uses) should be under some Govern-

ment agency responsible to the Health Ministers rather than be controlled on some voluntary system. Our experience in various States, as well as under the Federal Government here, would tend to support your argument. The more ethical manufacturers of drugs will police their own efforts very well, but the smaller and less reliable groups may not be trusted too much."

"He sums it up by saying: 'It is this 5 per cent, of the industry that causes us 95 per cent, of the difficulties in the enforcement of any drug control action.' That, coming from the United States, with all its traditions of free enterprise is, I suggest, a warning worthy to be borne in mind." Sir Hugh agreed that the leading pharmaceutical manufacturers could be relied upon. Some of them had a reputation that was the greatest safeguard the public could possibly have. He was much more concerned for the smaller firms and the agents for smaller foreign firms. It was essential that a new drug should be regarded as guilty until it was proved innocent. "At present, we work upon the basis that all new drugs are innocent until there had been a series of poisonings, whereupon they can be scheduled and controlled." Under a voluntary scheme it would not be possible to restrict new drugs to medical prescription until such times as they proved themselves safe. "If the job is to be done properly, we must establish the principle that every drug shall be labelled with its own scientific name in addition to the trade mark of the manufacturer." Labelling requirements must give the necessary warnings to the public and to the medical profession—about an antidote, a dose, or that after a certain date it was necessary to reject the package concerned. It was important that requirements should be co-ordinated internationally through the World Health Organisation, so that a drug passed as safe for marketing in the United Kingdom would be acceptable in other countries. As a secretary of the Pharmaceutical Society he had been appalled that six or seven different authorities acting under six or seven different Acts were inefficiently trying to handle the chaos of the distribution of drugs and medicines. He hoped the Minister would prepare a White Paper. and present legislation to put the matter on a rational basis.

IN PARLIAMENT

IT was proposed to prohibit the use of red squill and phosphorus under the Animals (Cruel Poisons) Act, and to restrict the use of strychnine to the destruction of moles and, in Scotland only, of seals, MR. C. M. WOODHOUSE (Joint Under-Secretary of State) informed MR. E. JOHNSON in a written answer on May 9. The Home Secretary hoped to make the necessary regulations shortly.

Offices and Shops Premises Bill

The third reading of the Offices, Shops and Railway Premises Bill was begun in the House of Lords on May 13.

DRUG ADVISORY BOARD BILL

Text published

THE Drug Advisory Board Bill introduced into Parliament in the name of Mr. Peter Emery, and of which the text has just been published (H.M. Stationery Office, price fivepence) provides for the establishment of a Drugs Advisory Board consisting of a chairman and six persons representing the medical, surgical and pharmaceutical professions. Its function is to consider whether drugs manufactured or imported after enactment "may safely be administered or otherwise made available to any member of the public." The Bill requires the Board to consider whether such drugs are toxic; the results of chemical trials of such drugs; the therapeutic efficiency of such drugs, and whether such drugs react adversely upon those to whom they are administered.

The Board's findings are to be reported to the Minister of Health as quickly as possible. There is a clause

in the Bill enabling the Minister of Health to request the Board to consider and report to him "on any matter related to the manufacture, distribution, marketing, advertising and naming of drugs, or any other related matter not previously considered by the Board."

In a section dealing with the finances of the Board powers are granted to charge fees to manufacturers or importers "to reimburse the Board for work done in carrying out their duties. . . ." If the Board considers a drug "cannot be safely administered" the Board ". . . shall notify all persons permitted to prescribe, dispense or administer drugs that the drug concerned should, in the Board's opinion, not be prescribed and should be returned forthwith to the manufacturer or importer." Other sections of the Bill relate to appointment of officers and publication of decisions.

racemorphan 0·1; trimeperidine 1,277·6; acetyldihydrocodeine 75·5; codeine 128,443·9; dihydrocodeine 3,897·3; ethylmorphine 10,360·9; nicocodine 1·1; pholcodine 2,655·8.

COMPANY NEWS

Previous year's figures in parentheses

DALMAS, LTD.—Messrs. R. Bower, C. J. Browne and R. W. Burrows, have joined the board.

HICKSON & WELCH (HOLD-INGS), LTD.—An interim dividend of 9 per cent, is declared (previous interim 8 per cent.).

THE BRITISH DRUG HOUSES, LTD.—The company now disclose that the consideration for the recent acquisition of Knights (Manufacturing Chemists), Ltd. (see C. & D., January 19, p. 57), was £150,000 cash.

BORAX (HOLDINGS), LTD.—The Hon. R. J. Assheton has been appointed to the board. Mr. Assheton was appointed to the board of Borax Consolidated, Ltd., the British operating company of the group, on July 19, 1960.

JOHN BELL, HILLS & LUCAS, LTD.—Mr. J. Stuart Hills, F.R.I.C., F.P.S., F.C.S., has resigned his chairmanship of the company after thirtyone years in that capacity. Mr. W. Hyde Hills, M.B.E., T.D., M.A., F.R.I.C., has been appointed chairman as well as managing director.

SCHWEPPES, LTD.—The severe weather in the first ten weeks of 1963 has given the company a severe knock and the chairman (Mr. R. Hanning Philipps) makes it clear that to make good the leeway will require the utmost sales effort. He said Rose Kia-Ora Sales Co.'s rationalised selling plan was fully completed and working well.

RECKITT & COLMAN HOLD-INGS, LTD.—Group trading profit expanded from £10,040,000 to £11,122,000 in 1962 and the dividend is raised from 12 per cent, to 13 per cent, with a final of 8 per cent, (7 per cent.). The net profit is up from £4,866,000 to £5,566,000, after tax of £5,124,000 (£4,881,000).

GREEFF - CHEMICALS HOLD-INGS, LTD.—A final dividend of 6½ per cent, making 10 per cent, for 1962 is proposed (same equivalent adjusting for a one-for-one scrip issue). Group profit fell from £277,713 to £252,676, before tax of £97,153 (£112,963). Revenue reserve receives £13,000 (£22,000) and the carry forward is £28,913 (£28,597).

COMMERCE IN NARCOTICS

Statistics for 1961 and estimates for 1962

THE addendum to the report to the United Nations Economic and Social Council on the work of the Central Opium Board in 1962 (H.M. Stationery Office, price 5s. 6d.) provides information concerning the manufacture and export of narcotic drugs in a number of territories throughout the world. The details in respect of the United Kingdom and the Republic of Ireland in 1961 (the statistics reviewed in the report) are given in the table at the foot of the column.

Amended Estimates for 1962

The Estimated World Requirements of Narcotic Drugs in 1962, Fourth Supplement (H.M. Stationery Office, price 2s. 9d.) indicates that the United Kingdom estimates have been revised again (see C. & D., January 26, p. 79). The new estimates, with the previous estimates in parentheses, are as follows:—Hydromorphinol 10 kilos (5); hydromorphone 1 kilo (350 gm.); thebacon—(1 kilo); thebaine 564 kilos (224); dextromoramide 14 kilos (10·840); diethylthiambutene 5 kilos (2); diphenoxylate 17·275 kilos (3·7); pethidine 1,280 kilos (1,130); codeine 10,278 kilos(8,278); pholcodine 548 kilos (373). The following estimates are unchanged:—Cocaine 222 kilos; diacetylmorphine 31 kilos; hydrocodone 8 kilos; morphine 16,925 kilos;

oxymorphone 2 kilos; anileridine 4 kilos; levomethorphan 1 gm.; levorphanol 3 kilos; methadone 29 kilos; phenadoxone 6 kilos; phenazocine 2 kilos; dihydrocodeine 176 kilos; ethylmorphine 195 kilos. The estimated world requirements for 1963 have also been amended. Individual totals (in kilos) are as follows:—Benzylmorphine 102; cocaine 2,726·2; codeine-N-oxide 2.5; desomorphine 1; diacetylmorphine 56.8; dihydromorphine 8.7; ecgonine 600.1; ecgonine methyl ester 33; hydrocodone 1,805.5; hydromorphinol 10; hydromorphone 170.9; metopon 2.6; morphine 141,185·2; morphine-N-oxide 1; nicomorphine 13; normorphine 0·8; oxycodone 944·1; oxymorphone 35·4; thebacon 211·3; thebaine 7,209; alphaprodine 72·8; anileridine 591·1; dextromoramide 502·6; diethylthiambutene 24.3; dimethylthiambutene 1.1; dioxaphetyl butyrate 1; diphenoxylate 291-1; dipipanone 43·3; etoxeridine 4·9; hydroxypethidine 0.02; isomethadone 5.7; ketobemidone 156.8; levomethorphan 1.2; levomoramide 89; levorphanol 80.3; metazocine 20; methadone 597.6; normethadone 346; pethidine 21,137·8; pethidine-intermediate-A 600; pethidine-intermediate-B 84·1; phenadoxone 14·8; phenazocine 58·4; phenoperidine 5·5; piminodine 910·1; properidine 11; racemethorphan 0·02; racemoramide 580·7;

	Unit	ED KINGDO	ом	IRISH REPUBLIC				Uni	TED KINGD	OM	IRISH REPUBLIC	
	MANUFAC- TURED	IMPORTED	EXPORTED	IMPORTED	Exported			MANUFAC- TURED	IMPORTED	Exported	IMPORTED	Exported
	Kilos	Kilos	Kitos	Kilos	Kilos			Kilos	Kilos	Kilos	Kilos	Kilos
Cocaine, crude		57	_	_		Dipipanone		102	3	6	1	_
Cocaine	18	348	247	5	_	Etoxeridine		-	_	_	_	_
Diacetylmorphine	69	_		1	_	Levorphanoi		_	2	_	_	
Hydrocodone	16	_	23	_	_	Methadone		102	_	21	2	_
Hydromorphenoi	5	_			_	Pethidine		2,688	_	1,712	101	32
Hydromorphone	_	_	_	-	_	Phenadoxone		18		_	_	
Morphine	17,875	491	191	14	_	Phenazocine	4.,		_	_	_	_
Oxycodone	19	-	13	_	-	Piminodine		_	2	_		_
Oxymorphone	1	_		-	2	Codeine		20,427	_	8.827	144	1
Thebacon	_	- 1	3	_	_	Dihydrocodeine		137		10		
Thebaine	179	265	330	_	_	Ethylmorphine		287	-	156		-
Anileridine	9	- 1	<u> </u>	_		Pholcodine		677	_	187	7	_
Dextromoramide		10	-	-		Normethadone		-	_	_	1	_
Diethylthiambutene	13	_	3	_	_					* *		

ASSOCIATED CHEMICAL COM-PANIES, LTD.—Mr. M. J. C. Hutton-Wilson (chairman), in his annual statement, maintains that proposals for a 50 per cent. cut in tariffs across the board, to be put forward at the next G.A.T.T. negotiations are unacceptable to the chemical industry in view of he substantial inequality of present tariff levels between Western Europe and the United States.

BOOTS PURE DRUG CO., LTD. -Subject to audit, group profits for year ended March 31, before tax, but after charging depreciation and interest on loan stock were £9,645,007 £9,270,516); less provision for tax £5,043,548 (£4,930,312). Profits of the parent company, after tax, were £3,819,634 (£3,466,473). A proposed parent final dividend of 9 per cent. (8 per cent.) makes the total for the year 13 per cent. (12 per cent.). The amount of the profit earning bonus for the staff charged in arriving at the profits s £895,984 (£861,196).

ROCKWARE GLASS, LTD. — Group trading profit for 1962 was £416,195 (£644,775); and net profit, before tax, £248,270 (£482,839). The chairman (Mr. R. Graham Bailey) in his annual statement says that a continuous process industry like theirs relies greatly in obtaining maximum output from available furnaces and selling prices are based accordingly. In the year under review such condiions did not exist. Of the future, he says, profit margins are bound to be under severe pressure but he regards the present position as a temporary set-back only. Dividend for year is 11 per cent. (14 per cent.).

IMPERIAL CHEMICAL INDUS-FRIES, LTD.—The long-term prospect or the company remained "one of continuing further progress," declared Mr. S. P. Chambers (chairman), at the annual meeting on May 14. At home, urnover was about the same level as a year earlier and he looked for an upward trend in the remainder of the year. Export turnover was above that of a year ago. First quarter profits, as a esult of technical progress and greater efficiency, showed an increase over the same period last year. As newer plants with lower operating costs came into production he expected "some widenng" of profit margins or further opportunities of expanding sales at ng' educed prices.

BUSINESS CHANGES

X-LON PRODUCTS, LTD., have renoved to 323A Kennington Road, Lonlon, S.E.11 (telephone: Reliance 8551).

UNIVERSAL LABORATORIES, TD., are removing to Sandwich, Kent (telephone: Sandwich 2371) on May 20.

LLOYDS' PHARMACEUTICALS, TD., 11 Waterloo Place, London, S.W.1, have transferred their offices to Berger House, 36 Berkeley Square, London, W.1 (telephone: Grosvenor 5801).

Appointments

MR. H. I. FIELD, M.Sc., M.R.C.V.S., has been appointed director of the Vet-

erinary Laboratories and Veterinary Investigation Service of the Ministry to fill the vacancy created by the retirement of Dr. A. W. Stableforth, M.R.C.V.S., D.V.S.M., who is to take up a post with the Food and Agriculture Organisation of the United Nations.

RADIOL CHEMICALS, LTD., 78 Upper Richmond Road, London, S.W.15, have transferred Mr. G. Moser from the Manchester to the London area; Mr. H. Bracegirdle has been allocated the Manchester area and Messrs. B. Mullins and J. E. Leader are taking over the Bristol and Birmingham areas respectively.

PERSONALITIES

SIR HUGH LINSTEAD (president of the International Pharmaceutical Federation and a secretary of the Pharmaceutical Society of Great Britain), has been elected by the annual meeting of the Colegio de Farmacéuticos y Bioqúimicos de Buenos Aires an honorary member of the College, which has the distinction of being the oldest of the pharmaceutical societies Latin

MR. P. MEDCALF, after eighteen months in the United States, has returned to England to take up his post as manager, marketing services department, Bowater-Scott Corporation, Ltd. Except for a brief visit to the Westminster Paper Co., Vancouver, Canada, he spent all his time working with the Scott Paper Co., studying every aspect of marketing household paper products in the U.S.

MR. HAROLD JONES. M.P.S., the Abbey Pharmacy, Crowland, Peterborough, who is a member of the local volunteer ambulance service, acted as a midwife during an emergency night trip from Crowland to Peterborough when the ambulance was taking an expectant mother to hospital. He delivered safely a baby girl not long after the ambulance had started its journey.

MR. S. A. MITCHELL, M.B.E., M.P.S., who for the past six years has represented the wholesale division of Warrick Bros., Ltd., Coventry, has retired. Mr. Mitchell began his career in pharmacy with Boots, Ltd., in 1912. He qualified in 1922, and subsequently managed various branches of the comin the North-east. He estimates that he travelled 20,000 miles each year calling on wholesalers throughout the British Isles. A luncheon in Mr. Mitchells honour was attended by the directors at which a presentation was. made from the company and from Mr. Mitchell's colleagues. He is succeeded by Mr. K. E. Michael.

MR. CECIL PENNINGTON, Upton Lane, London, E.7, and MR. WIL-LIAM HOLMES, 160 Foleshill Road, Coventry, each recently completed fifty years as pharmacists. Mr. Pennington qualified at Edinburgh and a few years later opened his Upton Lane pharmacy. Mr. Holmes opened his pharmacy in 1914. It was completely destroyed by enemy action in 1940, and during the eight years which elapsed before he could build the present pharmacy Mr. Holmes worked as a locum. During the war he was awarded the Defence Medal

for his work as a warden in the Civil Defence in Coventry, Mr. Holmes has no intention of retiring, though he is concerned that his business will be badly affected by a redevelopment proiect in Foleshill.

DEATHS

LATHAM.—On April 7, Mr. Fred Latham, M.P.S., 10 Upper George Street, Tyldesley, Manchester. Mr. Latham qualified in 1926.

MOORE.—On April 22, Mr. Tom William Moore, F.P.S., 31 Raymond Avenue, Canterbury, Kent. Mr. Moore qualified in 1921. He was formerly in Cliftonville and Harrow.

SAUNDERS.—On April 19, Alec James Saunders, M.P.S., 21 214 Fort Austen Avenue, Crownhill, Plymouth, Devon. Mr. Saunders qualified in

UNDERWOOD.—On April 5, Mr. Victor Arthur Underwood, M.P.S., Gainsborough Pharmacy, 12 Reynolds Road, Ipswich, Suffolk. Mr. Underwood qualified in 1921.

INQUESTS

Ill Health the Cause.—At a resumed inquest at Yeadon, nr. Leeds (on May 9), on Mr. Frank Steel, M.P.S., Hill Tops, Hawksworth Lane, Guiseley, who was found dead in the dispensary of his shop, the coroner recorded a verdict of poisoning by cyanide self-administered while the balance of the mind was disturbed. The coroner said: "He [Mr. Steel] had suffered from ill health for some period before his death. I am satisfied that the balance of his mind was disturbed as a result. He was in his business premises after they had been closed and after the departure of the staff when he took the fatal dose."

SULPHUR PACT

An economist gives evidence

GIVING evidence before the Restrictive Practices Court on May 14, Mr. D. K. Stout (an Oxford University economist) said that he did not agree with others who had given evidence previously that sulphur demand would exceed supplies within seven years (see

C. & D., May 11, p. 512). He thought the growth of demand for sulphur would be fairly stable. It would increase at about 1½ per cent, a year faster than the rate of growth of industrial production. In his view, comprehensive collective buying was irrelevant in principle, and in this case was a nuisance in practice, leading to more rigid prices and poorer bargains, Mr. Stout said that if the rule that members of the Association must not buy outside the pool were abandoned, there was no reason why the Association should not continue to ship on behalf of all its members. In the present market situation and in the foreseeable future it was damaging to be entirely dependent on long-scale forward contracts. The restriction discouraged buy-ing initiative. The restriction that sulphur imported through the pool should not be used for any other purpose than acid-making was damaging to small non-acid-making regular users of sulphur. The hearing continues.

MANUFACTURERS' ACTIVITIES

Prize for a Television "Commercial."—Smith & Nephew, Ltd., Bessemer Road, Welwyn Garden City, Herts, have won first prize in the branded medicines and drugs category of the 1963 television mail awards competition for a film featuring the company's waterproof Elastoplast dressings.

A Director Among "New" Veterans.—The annual dinner given by Allen & Hanburys, Ltd., to their long-service personnel and held in London on May 10 was noteworthy for several reasons. New members of the Veterans' Club (qualification: twenty-five years' service with the company) included Mr. E. K. Samways (director in charge of production at Ware) and Messrs. W. F. Griffiths and A. Jacques (surgical division) and B. J. Thomas (professional services). Eight employees, in six departments, received presentations on arriving at the 40-year milestone, and no less than 115 members of the Club came out of retirement to attend the dinner. A toast to the company was proposed by Mr. D. Newton, who described the veterans' dinner as "the most important in the A. & H. year." He and

one other (Sid Terry) had come into the "fifty years and over" class, swelling its ranks to twenty, and that accounted for his proposing the toast for the second time. "After some research" he had found that the first veterans' dinner had been held in December 1922, with seventeen present, and one survivor of that early élite (Ben Brazier) was present again this year. Members of the Club were specially pleased that the retiring chairman of the Group (Sir Harry Jephcott) was attending the dinner and it was a great honour that the ner and it was a great honour that the new chairman (Sir Alan Wilson) was also present. Responding to the toast, Mr. C. W. Maplethorpe (managing director of the company and this year's director of the Pariticle Pharmaceutic chairman of the British Pharmaceutical Conference), reinforced the welcome to Sir Harry and Sir Alan, and gave reminiscences of an early apprenticeship for board duties on an august but unofficial body known as the hole committee."

"Headquarters" Staff Dinner. — Romford staffs of Macarthy's, Ltd., and their guests went citywards to their annual dinner on April 25. They heard

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

A NEW LABORATORY FOR POLYMERS RESEARCH: Imperial Chemical Industries, Ltd., are establishing at Runcorn Heath, Ches, a new laboratory to study petrochemical-based polymers. The aerial view shows the growing complex of buildings of the general chemicals division, with the new laboratory under construction at the rear.

PRINCESS MARGARET AT CHESTERFIELD

Royal visit inaugurates factories' "open week"

THIRTY years to the day after a visit of King George VI (then Duke of York) to the works of Robinson & Sons, Ltd., Chesterfield, Princess Margaret and the Earl of Snowdon toured some of the company's factories on May 3. After luncheon at the Town Hall with the company's chairman (Alderman E. B. Robinson, J.P., mayor of Chesterfield), they went round some of the Robinson factories, chosen to demonstrate the diversified activities of the company. The Royal visitors saw first, in the factories of the dressings division, the production of cellulose wadding, then the highly mechan-ised manufacture of disposable nappies for babies; the weaving of surgical gauze; and the manufacture of modern surgical dressings. In the cardboard-box division's factories they saw the printing and forming of folding cartons and the production of spirallywound paper tubes. At the end of the tour they took tea at Bradbury Hall (social centre) with about 170 retired employees, directors and their wives. During the week following the Royal visit, in particular on May 6 and 7,



Princess Margaret and the Earl of Snowdon walk with the chairman of the company (Alderman E. B. Robinson, J.P., mayor of Chesterfield) and the vice-chairman (Col. C. P. Robinson, O.B.E., M.C., T.D., D.L., J.P.) during the tour of the works.

the works were "at home" to about 400 visitors (local civic dignitaries and heads of industry, customers, government officials, etc.). Each day commenced with a reception followed by luncheon in Bradbury Hall, after which the visitors were conducted along the route taken by the Royal party.

from their managing director (Mr. A. R. Ritchie) the news that within a few weeks the company's Willesden depôt would be transferring to new and larger premises three miles away at Alperton: that planning permission had been procured for extensions at Lee, and that a new combined "headquarters" building occupying 45,000 sq. ft. on a site adjoining the North Street depôt at Romford would bring into one unit the activities of wholesale distribution, manufacture and administration. Current difficulties of pharmaceutical manu-facturers were shared by wholesalers, and there was the same trend towards amalgamations but, with a continuance of the company's good relations be-tween management and staff, the group would cope with the increasing competition of the future as successfully as it competed hitherto. Mr. Ritchie congratulated Mr. Jessamine on having been elected a director.

TRADE NOTES

Now Perfumed.—Parke, Davis & Co., Staines Road, Hounslow, Middlesex, announce that their Caladryl lotion and cream are now supplied perfumed. Packages and prices are unaltered.

An Additional Size.—Revlon International Corporation, 86 Brook Street, London, W.1, are presenting their perfumes Aquamarine and Intimate in a new 2-oz. spray size.

Distribution Change.—From July 1 all inquiries for Okasa tablets should be addressed to Hormo-Pharma, Ltd., 7 Cleveland Row, London, S.W.1 (telephone: Whitehall 0562).

"Threepence-off" Offer. — During June and July, J. C. Gambles & Co., Ltd., c/o Chesebrough-Pond's Ltd., Victoria Road, London, N.W.10, are offering Odo-Ro-No stick deodorants, perfumed and unperfumed, at a "threepence off" price.

In Cans for Northern Ireland.—H. J. Heinz Co., Ltd., Harlesden, London, N.W.10, point out that the 7½-oz. "junior" food packs they are introducing in Scotland and Northern Ireland (see C. & D., May 11, p. 519) are in cans, not glass jars.

Two for One-and-a-half.—A special banded parcel of Rexall Super Plenamins produced by Charnwood Laboratories division of Vantorex, Ltd., Morley Street, Loughborough, Leics, enables the customer to buy one pack and receive the second at half price.

Limited-time Offer. — To promote the launching of their new Sofspin curlers, the Toni Co., 100 Brompton Road, London, S.W.3, are making a special limited-period offer of twelve Sofspin curlers free with each wholehead Toni kit, six free with each Tip Toni kit. A leaflet included in the kit gives details of the curlers and their uses.

Trade Credit Scheme.—Philips Electrical, Ltd., Shaftesbury Avenue, London, W.C.2, are offering a 10s. 3d. credit to wholesalers and retailers on Philishave floating-head electric shaver (type SC7860) in stock, provided an equivalent number of Philishave Envoys are ordered on a one-for-one basis. The offer is available May 6-31

for wholesalers, and May 6 to June 28 for retailers.

Gas Packed.—Since May 10 Lacidac full-cream milk food in a new 12-oz. tin, has been, like other auxiliary products of Cow & Gate, Ltd., Guildford, Surrey, gas-packed.

Quick-tanning, not "Quick Tan."—
It is pointed out that Q.T. quick-tanning lotion distributed by Food Brokers, Ltd., Crown House, Morden, Surrey, is unrelated to Quick Tan, a Damaskin preparation of twenty years' standing distributed by Thos. Christy & Co., Ltd., Aldershot, Hants.

Taxability Changes.—ANDRE PHILIPPE, LTD., 71 Gowan Avenue, London, S.W.6, state that their light spray

aerosol lacquer has been ruled taxable at 25 per cent. purchase tax.— SAMOORE, LTD., 60 Welbeck Street, London, W.1, point out that, under Purchase Tax (No. 2) Direction, 1963, their speciality ecothiopate iodide, marketed in Britain under the trade name Phospholine iodide, is exempt from tax.

Bonus Offers

EVER-READY RAZOR PRODUCTS, LTD., 26 Bedford Row, London, W.C.1. Arvin electric shavers (Syncromatic and DS15 models). 5 per cent. on order for two shavers, either model; 7½ per cent. on order for three; 10 per cent. for six.

NEW PRODUCTS AND PACKS

Ear Drops Containing Dequalinium.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, announce the introduction of Dequadin ear drops as an aqueous solution of dequalinium acetate containing 0.4 per cent. w/v. The drops are indicated in the treatment of chronic suppurative otitis media, acute and chronic otitis externa, and certain types of aural fungal infections. They are used by instilling 2-4 drops into the affected ear, repeating as necessary. The pack is a bottle of 5 mils with dropper.

Protective Antacid.— Sandoz Products, Ltd., 23 Great Castle Street, London, W.1, announce the introduction in the United Kingdom of a new protective antacid, Neutrolactis. The product is presented as strip-packed tablets, each containing 140 mgm. of dried aluminium hydroxide gel, 200 mgm. of magnesium trisilicate, 280 mgm. of calcium carbonate, and 1.5 gm. of highprotein milk solids in a bland, nongritty and pleasant-tasting product. Neutrolactis provides for the rapid neutralisation of gastric hydrochloric acid, with a sustained buffering action for the treatment of peptic ulcer, dyspepsia, reflux æsophagitis, etc. The packs are cartons of ten and fifty.

A Product Against Obesity. — Riker Laboratories division of Vantorex, Ltd., Morley Street, Loughborough, Leics, are introducing on May 20 Durophet-M anti-obesity product, claimed not only to curb the appetite but also to alleviate underlying emotional stress and counteract depression and loss of will power commonly associated with a dietary regimen. Durophet-M combines the appetite depressant Durophet with methaqualone calming agent, both constituents being present as ion-exchange resin complexes to give prolonged action. The product is available in packs of thirty and 300 12.5-mgm. and 20-mgm. capsules. It is subject to S4B of the Poisons Rules.

Travel-sickness Tablets. — Cupal, Ltd., Blackburn, Lancs, have added to their list a new speciality, Bonzine travel-sickness tablets in jar of twenty.

A "Square Meal."—Trimetts, a new slimming product by Universal Laboratories, Ltd., Sandwich, described as "square-meal biscuits to eat and enjoy," are offered in three flavours: orange, cheese, and lemon and chocolate. During extensive clini-

cal trials of the complete Trimetts and milk meal replacement diet, weight losses were achieved of up to 7 lb. during the 10-day period. Test marketing operations indicate that Trimetts "considerably expanded the slimming market, and appealed to the overweight executive as well as the housewife."

wife. Treble Size. — Keldon, Ltd., Wadsworth Road, Perivale, Middlesex, have produced a treble size (containing 21 oz.) of Optrose rose-hip syrup and it is now available to chemists in Great Britain. It is not available in Northern Ireland,

Bath Salts Vase.
—André Philippe,
Ltd., 71 Gowan
Avenue, London,
S.W.6, have made

available a bath salt vase in lavender, pink or turquoise.

For Contour Waving at Home.— Described as "three times new," Polylock wave lotion, which is being put on the market in Britain by Lambert Chemical Co., Ltd., Eastleigh, Hants, is a bland product for "modelling



curve right to the tips of the hair." It is applied to the hair direct from an applicator bottle (hands kept unsoiled). And the Polywavers used—"the first really new home wavers for over ten years"—are nearly twice as long as conventional setting rollers and have some of the virtues of a perm curler, producing soft and long-lasting effects. Winding is easy and the hold firm.

For the average head twenty are needed, and the method of winding (from the middle of each strand), gives "lift at the roots, not frizz at the ends." A stabiliser foam, also from an applicator bottle,, "locks in the wave" and shampoos simultaneously.

Series Redesigned. — Gibbs - Pepsodent's Sunsilk shampoos have been repackaged so that each type may be identified at a glance. The range includes four, formulated specifically for normal, greasy, dry or dull hair. Sunsilk is available in sachets, bottles and



(for dry hair) tube. Manufacturers are Gibbs Pepsodent, Ltd., Hesketh House, Portman Square, London, W.1.

Washproof Plasters.—Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks, are now selling a new washproof first-aid dressing under the name Band-aid. An overall air-vent over the plaster and pad area is claimed to aid rapid healing, to give increased com-



fort, and to help eliminate maceration by allowing the wound to dry after immersion in water. Other advantages are "superstick," cushion pad and individual wrapping. There are five pack sizes (wallet, medium strip, medium assorted, large assorted and large strip). The upright tins, showing the types of plaster contained inside, are claimed to have great display value and to be the first of their type ever used for first aid dressings in the United Kingdom. New Electrical Appliances.—Philips Electrical, Ltd., Century House, Shaftesbury Avenue, London, W.C.2, have extended their Philishave range of "rotary-action" electric shavers by the introduction of the Philishave Envoy with floating heads, on sale from June 7. The body of the Envoy is rather more angular than that of the floatinghead model and is in a two-tone fawn-



and-white body, with press-button release for side flaps to allow easy cleaning. Shaving efficiency is increased by more openings in the cutter guards and by a faster motor speed. As with the floating-head model, the shaver is quickly adapted from a.c./d.c. 100-30 volts to 200-40 volts, and the detachable lead is fitted with an unbreakable plug. The case is in flat charcoal-grey. Also available in the autumn will be a home barber kit for use with both Philishave floating-head models. The kit is designed for use on all the family,

"especially the children." It consists of a clipper attachment and two guide combs—one for tapering short hair, the other for long hair. The clipper attachment is dropped on to two pivots after the razor shaving heads have been removed. Messrs. Philips are also entering the hair-drier market with two models on general sale from June 4. The hand hair-drier $(16\frac{1}{2} \text{ oz.})$ has an on-off switch in the handle and an airdiffuser adjustment on the nozzle. The controls allow a choice of narrow stream of warm air or wide, gentle flow of cooler air. The drier, in pastel twotone finish, is fully insulated, and has an automatic safety cut-out and tele-vision suppressor. It may be set at various angles in an accessory stand, leaving the hands free. Also being marketed for use with the hand model is an accessory hose and air-diffuser hood. A new Philips hood hair-drier is "designed to bring salon standards into the home." With a "straight-through" air-stream giving fast and uniform drying, it is described as quiet and of low current consumption. It may be hung on a wall hook or used with the accessory stand. The temperature is thermostatically controlled, and the drier is fully insulated, with a protection grille in the hood.

Two New Shavers. — Ever-Ready Razor Products, Ltd., 26 Bedford Row, London, W.C.1, are introducing simultaneously two new electric shavers, the new Arvin Syncromatic and the DS15. The Arvin Syncromatic is described as having "a silk-smooth" shaving action head incorporating corrugated cutters of exceptional thinness, dimpled foil, "snap-up" trimmer and other features. The shaver is a dual-voltage model with clip-on cushioned foil, patented screw-less power unit, double-insulation flat base and on-off switch, and is packed in a compact zip-fastened travel bag. The DS15 shaver, produced to sell at a lower price, has been rated by a well known consumer product research organisation, the makers state, "the best value in the lower-priced field." shaving head incorporates corrugated cutters, thinner cutters and dimpled foil, the method of dimpling being claimed to guide the hair into the holes and to reduce the friction area of the

cutters on the foil by a further 50 per cent. The thinner cutters are possible by the strength the corrugations give.

New Stainless Blade.—Manufactured from Swedish surgical steel, a new double-edge razor blade is being introduced to the British market by the Schick Safety Razor Overseas Co. It





has a "Krona plus" edge, "so keenly sensitive that it must not be wiped after shaving" and is coated with Tefton plastic which is understood to reduce friction. Each blade is "guaranteed" to give at least ten shaves. The pack holds three. Distributors are Richards & Appleby, Ltd., York House, Westminster Bridge Road, London, S.E.I. A stainless blade for the injector razors is being made available shortly.

New Slim Razor. — Claimed "the most advanced shaving instrument in the world at anything like the price," the Slim-Twist safety razor of Gillette Safety Razor Co., Great West Road, Isleworth, Middlesex, has an elegant

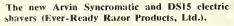


tapered handle, giving "firm balanced grip and complete shaving control." A specially designed collar allows the razor to be twisted open with one hand, loaded in a moment and twisted shut ready for action. The razor is sold in a compact case complete with a dispenser of four Blue Gillette Extra blades. The Slim-Twist is packed on an attractive six-set counter display stand. Display material is available.

INFORMATION WANTED

Chloro-O-Filt tablets
Gloría band Quickmíst spray







Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Pharmacists and Supermarkets

SIR,—I was surprised to find letters n the current issue of the C. & D., egarding the advertisement for pharnacists for the supermarkets. We have n our city—and most cities have like-wise—"a supermarket" which is run by a company who call themselves chemists, and who have been so doing or years without complaint from pharmacists even though the business was founded upon the price-cutting nethod of trading. Surely a few more such shops will not make any difference—or will they? It might awaken pharmacists from their lethargy and thoughts of "I'm all right Jack" to he realisation that, until the Pharmaceutical Society changes its status and becomes a trade or professional union, absorbing the National Pharmaceutical Union, and with the power to withdraw all qualified service in any sphere, its power of negotiating anything for pharmacists is nil. The £3 millions for the pharmacists and the £16 millions for the doctors are ample MANCHESTER CHEMIST vidence.

SIR. — Why your correspondents object to your accepting an advertise-ment for chemists to run departments in supermarkets is beyond my ken. You are in business to run a successful journal, which you have done admirably for a good many years—for fifty of which I have been a subscriber -and a very appreciative one. Would they have objected to an advertise-ment for any of the big or small multiples? Would they have objected if it had been for a pharmacist to run the chemist's department in a grocery store? Who is to blame for this state of affairs? The pharmacist who is prepared to sell his professional services to supermarkets, multiples, grocers or any other person who thinks he would like to run a chemist's shop? (and anyone can do that provided he floats a limited company and employs a pharmacist with perhaps one share in the company!). Or is it the Pharmaceutical Society, which apparently has so little jurisdiction over its members and fellows that it allows them to sell their services to any Tom, Dick, or Harry? We have not yet reached the stage at which supermarkets have their physician and surgeon department and dental surgeon department, but, regrettably we have instances of professional men such as opticians and chiropodists selling their qualifications multiples, supermarkets 'Co-ops." CRUX CRITICORUM

SIR,—Messrs. Jones, Lawson and Marks are perfectly correct in voicing their disapproval of your acceptance of an advertisement from a supermarket. In your reply, methinks, you protest too much. On your own analysis, you have the power to accept or reject an advertisement. Supposing the firm in question had been a multiple tobacconist, or a multiple grocer, or a multiple hardware, or even a multiple undertaker, would you have considered

accepting such an advertisement? Surely the answer is no. Why then accept an advertisement from a supermarket, which is all these trades rolled into one? If the growth of monopoly is inevitable, is it your job to speed up the process? By your action, you will forfeit the goodwill of thousands of small independent pharmacists. And have you considered what circulation the C, & D, will have, when all your subscribers will only be supermarkets and multiple stores?

J. E. MICHAELSON, London, E.15

[If our correspondent's hypothetical undertaker were indeed engaging a pharmacist to practise as such on registered premises our attitude would be as to the supermarket, and as we explained in our leader. We do not consider that the paper's acceptance of such an advertisement was "speeding up the growth of monopoly"—perhaps the reverse. It has yet to be proved that a supermarket pharmacy, if set up, could compete with a private pharmacy. There are cases of independent chemist's competing successfully against a next-door branch of a multiple chemist, and to be next door to a Woolworth branch is almost a guarantee of prosperity.—EDITOR.]

Registering as a Student

Sir, — Your article "Qualifying in Pharmacy" (p. 456) states that "Students in Great Britain who have decided to take up pharmacy as a career should first register as a 'student' with the pharmaceutical Society..." This is misleading, since registration as a "student" is not obligatory for the increasing numbers who are entering pharmacy by way of a University degree, and it is felt by many degree students that the benefits of such registration do not justify the expenditure of £4 4s.

J. CHILTON, Kirkintilloch, Glasgow

[It should have been made clear that the opening paragraphs related to qualifications by diploma. Unfortunately a headline to that effect was a casualty of make-up.—EDITOR.]

Career Guidance

SIR,—As a constant reader of the C. & D., I wish to express the appreciation of many of us over here for your recent excellent "Careers Number" (C. & D., April 27). The whole series was complete and obviously well-thought-out, and your contributors aptly chosen, although I did not necessarily agree with everything Mr. N. Herdman said concerning "the pharmacist as a medical representative." Still, his was a well-balanced and reasonably optimistic assessment of the present prospects in the United Kingdom, for which many young pharmacists who may be contemplating a career in the pharmaceutical industry, as well as those at present practising pharmacy as

pharmaceutical and medical representatives, may be grateful. Finally, we should welcome a similar appraisement of the position in the Republic of Ireland in some future "Careers Number." Many thanks to you for your initiative in this important matter, and also to your collaborators for such a factual, and often brilliant, study of pharmacy as a career.

M. F. WALSHE, M.P.S.I., Dublin, Eire

A Secret Preparation

SIR,—As a young pharmacist in years and experience of retail practice, I was aghast to see that a certain manufacturer of an analgesic preparation did not think fit to enlighten the recipients of his mailing—presumably mainly pharmacists, with the formula of his new product but emblazoned the literature with "bonus" offers for our sole consideration. If this is to become standard practice amongst the manufacturers of medicines for human consumption then the sooner legislation can be introduced to restrict the sales of medicines to pharmacies where consideration of the product's worthiness will be the sole guide to its sale rather than its lucrative possibilities, the better.

E. T. NEAL, Watford, Herts

What's in a Name?

SIR,—In reply to "Name, please," by Mr. Lowther (see C. & D., April 27, p. 444) why should my name be so important? Surely it is the issue that counts. As for Messrs. Lowther and Darling insisting that my criticism is so destructive, how do they compare it with the last words of Xrayser's paragraph on the Council election? Why are there so many candidates? Surely their number proves my point: we want action now! I wonder how Mr. Lowther would explain his change of attitude. Only last year he was more demanding a stronger lead from our negotiators. He called for a leader of a strong trade-union type to fight with no holds barred. Now he seems to want the long-drawn-out old-fashioned method that thousands of us distrust. What would giving my name achieve? My sentiments are those of thousands.

Not a Living Wage

SIR,—From the Register I was surprised to find that M. J. Terry (see C. & D., April 27, p. 443) is a lady who qualified as recently as 1949 and should therefore be capable of greater objectivity than that displayed in her tirade. Let me emphasise one point only. I have secured pharmacy for the pharmacist in Bovingdon by personal action in the medical and agricultural fields. Had I been refused the N.H.S. contract in 1951 I would still live well by pharmacy, as indeed I shall if any future N.H.S. remuneration becomes grossly uneconomic in

relation to the overheads involved. Taking a year's N.H.S. gross profit on Mr. F. J. Brean's calculations at £2,000, and subtracting total overheads of £1,450, one is left with £550 net, which is not a living wage for a phar-It is just that exclusion of normal overheads from N.H.S. costings that lulls many contractors into complacency over existing terms. Personally I will give three months' notice to my Executive Council rather than to my Executive accept any more cuts.

KEITH JENKINS,

Bovingdon

Picture of a Trading Account

SIR,—Mr. Jenkins's letter (C. & D., April 27, p. 394) interests me, though I agree that National Health Service remuneration is inadequate. I feel that his approach to the matter is disturbing, especially as he is putting himself forward for election to the Society's Council and consequently as a potential negotiator on my behalf. I feel it cannot be too strongly urged that the Ministry can only be, and should only be, influenced by figures. Airy talk about National Health Service dispensing not being worth doing, or of negotiating from a "position of strength" are just a waste of time. From the figures Mr. Jenkins gives it is possible to obtain a picture of his trading account, which I give below. Inaccuracies in the figures I have estimated will be mutually compensating and will not affect the N.H.S. figures to any significant effect. It is clear that, however inadequate the N.H.S. remunerations, if he gives it up his income will suffer considerably. The Ministry has all these figures and if Mr. Jenkins goes to them and argues that N.H.S. dispensing is not worth doing they would, quite rightly, regard his opinion as worthless.

	Total	Counter	N.H.S.
	£	£	£
Sales	18,000	11,000	7,000
Trading margin	5,040	3,160	1,880
Expenses	1,500	780	720
Surplus	3,540	2,380	1,160
5 per cent, on			
capital employed	250	150	100
Proprietor's			
" salary "	2,500	1,500	1,000
Profit	790	730	60

C. LONSDALE, M.P.S., Sturminster Newton, Dorset

"Time and Motion"

SIR,—Herewith text of telegram to sir,—Herewith text of telegram to send to Enoch Powell and Sir Hugh Linstead: "Sick and tired of being Health Service Cinderella. Why increase doctors' incomes yet decrease pharmacists'?" If only 1 per cent. or 2 per cent. or—dare one hope—more than this were, immediately on reading this to send similar telegrams. ing this, to send similar telegrams. I imagine receipt of several hundred might make the aforementioned even more acutely aware of our feelings, and as for our "Silent Knight," it may even make him aware of our presence and his responsible position to act as a newsworthy (i.e. quotable) spokesman. I am told that the original agreement going back to 1947 hamstrings us. Now we are reduced to timeand-motion study upon which future negotiations may be based. My time-and-motion study is very simple. Time of ownership of own business: 5 years. Time put in to make a go of it (my own fault this): 75 hours per week. Motion of general expenses, salaries, rates, etc.: up. Motion of my net remuneration: down.

GERALD MAIL, London, E.2

Pharmacists Defend Themselves

Sir,-I am enclosing an exchange of correspondence we have had with the Daily Mail. Copy of the letter sent to the Daily Mail by the North Staffs Branch:

As the secretary of the North Staffs Branch of the Pharmaceutical Society, I have had my attention drawn to your article in the Daily Mail on April 22 entitled:—"Shops Closed—So Girl D'es," May I respectfully draw your attention to the following facts:-1. The day was a Sunday and there was a pharmacy open in Leek from 6-7 p.m. 2. The girl concerned approached the police for help at 7.40 p.m.—forty minutes after the pharmacy had closed and was then directed to a hospital in Leek where she later died.

Does the Daily Mail seriously believe that, in spite of the fact that the doctors at the hospital were unable to save her life that if a pharmacy had been open that a pharmacist would have been more successful? You state in your article that the girl's asthma inhaler was found to be empty when it was needed so it is my opinion that there were three courses of action which could have been taken in the circumstances namely:—1. An appeal to the police to help find a pharmacist who would have been most willing to go to his pharmacy to supply the drug needed. We would give this service at any time during the night if requested to do so. An appeal to the police to help contact a doctor, 3. An appeal to the pol ce for the location of the nearest hosp'tal (which is what really took place).

We take very strong exception to your head-

line "Shops Closed-So Girl Dies" which suggests that the girl's death was due to the fact that all the pharmacies were closed on a Sunday evening at a time when a certain drug was needed, and we do feel that an apology is due to the North Staffs Branch, and especially to our members in Leek who were entirely blameless in this affair, and whose good name has been sacrificed to make a sensational headline for your newspaper.

Reply from the Daily Mail dated April

I am sorry you should feel that our report was a reflection on members of your Society. Certainly this was not our intention, nor in my view does any reasonable reading of the report convey any blame on the pharmacists in the district. The fact that the day concerned was a Sunday was quite apparent from our report and clearly no one could expect that on that day there would be anything other than the usual emergency service. Our report merely stated the facts and if there is any inference to be drawn from them it is in my view quite d.ffcrent one from that which you suggest. Although I cannot myself see the reason why any of your members should feel that their good name has been "sacr.ficed" I certainly apologise to those of them who feel that this is the case.—E. V, MATTHEWMAN, Managing

> J. R. WATKIS, Chairman, North Staffs Branch

Appreciated

The C. & D. has been a great help to me over a good number of years and the progress which is maintained is really remarkable. Long may the C. & D. prosper.—J.A.

HAVING retired from business I must reluctantly cancel my subscription for the C. & D. future issues. After fifty years' regular reading of it I am going to miss it a great deal. It has been a pleasant companion since first apprenticeship days—but I cannot now afford the luxury!—A.J.B.

PRIZE-GIVING AT CHELSEA

South-west London pharmacists as guests

IN what is fast becoming a tradition of entertaining one of the metropolitan pharmaceutical associations, members of the school of pharmacy, Chelsea College of Science and Technology had as their guests at the annual prizegiving and open evening on May 8 the South-west London Chemists' Association. The visitors were shown demonstration experiments and modern scientific equipment, including closed-circuit television in the pharmacognosy department, allowing students to examine structures macroscopically or microscopically at the same time as the lecturer. In his report on the year's work, Dr. A. H. BECKETT (head of the school) said he hoped his apology for cramped conditions would be the last. school would be expanding into new accommodation during the summer, with a further extension to premises at King Street, Hammersmith, at the end of October. It would also soon be offering residential accommodation to some students. At Hammersmith would be carried out research into pharmaceutical technology and drug metabolism using radioactive tracer elements. During the year eight Ph.D. degrees had been obtained by research students at the school, and Dr. M. P. Earles (senior lecturer in pharmaceu-

tics) had gained a post-graduate degree in the history of medicine. The prizes were presented by Dr. E. F. HERSANT (a joint secretary of the British Pharmaceutical Conference). Dr. HERSANT, commented on the vast changes that had taken place since his day.

Prize List

The following were the year's prize-winners: First Year. SMITH, KLINE & FRENCH LABORA-G. T. Tucker, Boots Pure Drug Co., Ltd., Prize

Patricia

P. Brown, G. T. Tucker, Boots Pure Drug Co., Ltd., Prize (second best B.Pharm.): Patricia P. Brown.
Western Pharmacists' Association Prize (pharmaccut'cs): R. P. Enever, Timothy Whites & Taylors, Ltd., Prize (pharmaccutical chemistry): G. T. Tucker, Parke, Davis & Co. Prize (pharmacognosy): R. P. Enever.

Second Year.—Pfizer, Ltd., Prize (best overall B.Pharm.): A. J. O'Keefe, Timothy Whites & Taylors, Ltd., Prize (best overall Ph.C.): A. N.

TAYLORS, LTD., PRIZE (best overall Ph.C.): A, N. Thomas. Evans Medical, Ltd., Prize (pharmaceutics): Jean Forgan. Boots, Ltd., Prize (pharmaceutical chemistry): M, K, V, Shah, E, R. Squibb & Sons, Ltd., Prize (pharmacognosy): Jean Forgan.

Third Year.—Boots, Ltd., Prize (best overall B.Pharm.): J. P. Harwood, Timothy Whites & Taylors, Ltd., Prize (pharmaceutics): Valerie A. Cullum. BEECHAM RESEARCH LABORATORIES. LTD., PRIZE (pharmaceut cal chemistry); J. P. Harwood, CIBA LABORATORIES, LTD., PRIZE (phar-

macognosy), Mary Soulsby.

Special.—Upjohn, Ltd., Prize (non-academic contributions to the school): E; J. Saulter.



For Retailer, Wholesaler and Manufacturer

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

A Bill but not the Bill

THE Bill "to provide for the establishment of a Drugs Advisory Board and for purposes connected therewith " (see p. 542) may at first appear to be the direct outcome of the recent report by the Subcommittee on Drug Safety (C. & D., April 13, p. 386), and the even more recent speech in Parliament by the Minister of Health (p. 541). However, it is not so. The measure is a Private Member's Bill introduced by Mr. Peter Emery, and it provides a structure for drug testing that is only vaguely similar to the system announced by Mr. Enoch Powell when the Cohen Committee report was published. The Bill as published seeks to establish an independent Board consisting of a chairman and at the most six other representatives of the medical, surgical and pharmaceutical professions to consider drugs manufactured or imported after the Bill is passed, whereas the voluntary scheme proposed by the Minister of Health provides for a committee with three subcommittees.

One of the disadvantages suffered by an individual member introducing a Bill in Parliament is that he does not have access to the reservoir of technical experience usually available to a Government Department. That disadvantage is unusually highlighted in the present instance in the section of the Bill dealing with the functions of the proposed Board, which include:—" To consider whether the drugs are toxic; the results of chemical trials of the drugs; the therapeutic efficacy and whether the drugs react adversely upon those which they are administered." It seems to us that "clinical trials" is intended by the reference to chemical trials.

The activities of the proposed Board are surprisingly wide, in fact almost boundless, in that the Minister of Health may request the Board to consider and report to him on any other matter related to the manufacture, distribution, marketing, advertising and naming of drugs or any other related matter not previously considered by the Board. Mr. Powell's scheme was criticised by many as having no teeth. There is almost a venomous sting in the tail of the new Bill, for the penultimate section states that the Board, having decided that the drug is unsafe, is required to notify "all persons permitted to prescribe, dispense or administer drugs, that the drug ... should ... not be prescribed and should be returned forthwith to the manufacturer or importer." Perhaps, when the Bill is next considered in the Houses of Parliament, the words "for full credit" might be added.

In view of the Minister of Health's opinions, so strongly and recently expressed, that the Drug Safety Committee under the chairmanship of Sir Derrick Dunlop (C. & D., May 11, p. 511) has enough powers for the successful prosecution of its duties, it is unlikely that the Government will accept Mr. Emery's Bill as part of its current policy. Therefore, although the supporters of the Bill are in the main Government supporters too, we expect the Bill to be submerged by the Parliamentary machine, and much time and effort accordingly lost. That is not altogether a fault of the Bill, imperfect though it is in many ways, but of Parliamentary procedure, and primarily of the decision to keep secret the Report of the Interdepartmental Working Party on legislation concerning medicines. The health and safety of all is a matter that goes beyond party politics, and the Interdepartmental Working Party's report should be the basis upon which to build satisfactory legislation to control drugs, medicines and all therapeutic substances. We would therefore reinforce the plea made in Parliament that the Interdepartmental Report should be published and given the widest possible consideration, so that "this jungle of administration," as Sir Hugh Linstead has described it, can be tidied up.

Tariffs and Trade

MINISTERS from the European Free Trade Association countries meeting in Lisbon last week reached agreement to end, among themselves, all tariffs on industrial goods by the end of 1966. Since the Association was set up, those tariffs have been cut by 50 per cent., and the remaining 50 per cent. is to go in stages of 10 per cent., the first on January 1, 1964, and the rest in each succeeding January until 1966, with a final 20 per cent. cut on December 31, 1966. If the proposals take effect, the tariffs will thus have been abolished four years earlier than was at first planned.

Another outcome of the meeting is that all E.F.T.A. members will have access to the London capital market. Previously only sterling-area and some Scandinavian countries had such access. Some hard bargaining is reported to have taken place before the talks concluded. That they were successful must be a source of satisfaction for the Ministers who attended, especially since, a few days earlier, Common Market Ministers had met and reached agreement on a policy to be adopted at the forthcoming talks of G.A.T.T. (General Agreement on Tariffs and Trade), due to begin in Geneva on May 16. The G.A.T.T. talks will, of course, cover a much wider area of international trade, and agreement will be much harder to attain than at Lisbon. As a measure to increase international trade the United States is putting forward a proposal for a 50 per cent. across-the-board cut in her tariffs in return for allowing entry of her agricultural products into Europe. Britain is expected to back the proposal, but opposition from other European countries is likely to be considerable. They want a down-grading of a large number of "prohibitively high" American tariffs now in force in addition to the "acrossthe-board" cuts. There is much to be said for that opposition for, as the German chemical industry has pointed out (C. & D., April 20, p. 434), American duty on many chemicals, including pharmaceuticals, is calculated not as a percentage of the import price but at a fixed price per lb. plus an ad valorem duty. The amount charged per lb. is at the discretion of the American customs authorities and is often variable. There does seem to be room for greater concessions by the United States, which has been calculated to have a 42 per cent. share of the world's output of chemicals. Simplification of the present highly complicated structure of tariffs, as well as a reduction in rates charged by all countries, would be a worth-while objective for the G.A.T.T. meeting.

"INVIDIOUS" PHARMACY NAMES CONDEMNED

A "bank" of authentic reference substances

A Naddition to paragraph 3 of the Statement Upon Matters of Professional Conduct, to deal with problems arising from the "invidious" naming of pharmacies, was approved by the Council of the Pharmaceutical Society of Great Britain at its meeting in London on April 30 and May 1. Consideration was given to the use in connection with newly established pharmacies of the names of towns or districts in which they were situated and of other descriptions suggesting some special status. The paragraph is being amended to read:—

The appearance of the premises should reflect the professional character of pharmacy. It should be clear to the public that the practice of pharmacy is the main purpose of the establishment. Signs, notices, descriptions, wording on business stationery and related indications, should be restrained in size, design and terms. Descriptions such as "M.P.S.(Lond.)," prescription specialist "and "the leading chemist," which are inaccurate or draw an invidious distinction between pharmacists, should not be used. When a description relates to a set of premises the same principle applies, except that objection will not be taken to the use of a description such as the "Blanktown Pharmacy" if recognised by established usage.

The Council also agreed to a scheme whereby the Department of Pharmaceutical Sciences would undertake the distribution of authentic specimens of chemical substances to be used for pharmaceutical analysis.

Some of the specimens are being supplied by manufacturers without charge, but the cost of the scheme will include fees for authentication, time spent by laboratory, administrative and clerical staff as well as for packaging and other incidentals. It is considered appropriate that all specimens should be supplied at a uniform charge of £1 per specimen. An offer has also been made to distribute any authentic specimens required for B.P. substances, which has been tentatively accepted by the B.P. Commission, but it will be some time after July 1 before any B.P. specimens will be ready for distribution. The Commission will fix an appropriate charge. The possibility of establishing a national collection of highly purified reference substances for the quantitative analysis of pharmaceutical products is being investigated by the British Pharmacopæia Commission and the Pharmaceutical Society. If and when a scheme for reference substances comes into operation, it is envisaged that the authentic substances will become part of the collection.

The Education Committee recommended, and the Council agreed, that Patrick Francis D'Arcy, having satisfied the conditions laid down in Section III (3) of the by-laws, should be designated a Fellow of the Society.

A request was received from Allen & Hanburys, Ltd., that the tenure of the two Allen & Hanburys Research Fellowships might be extended to enable holders to work in any school of pharmacy, instead of only in the School of Pharmacy, University of London, or in the Pharmacy Department, University of Manchester. The Council adopted the Education Committee's recommendation that the regulation should be altered accordingly.

The Pharmacy Department, Heriot-Watt College. Edinburgh, and the School of Pharmacy, Robert Gordon's Technical College, Aberdeen, were approved for a further period of five years from July 1962.

It was recommended that, Drs. Yves Clément, J. H. M. Winters and Hans Meyer should be elected honorary members of the Society and, in accordance with the requirements of the by-laws, their names would be exhibited in the library until the June meeting of Council.

The Finance and General Purposes Committee reported on arrangements made with the Economist Intelligence Unit to carry out a survey of the pharmaceutical register. A letter from the president, with a reply-paid card, was being addressed to all members in Great Britain before the end of May. The questions asked had been kept to a minimum, so as to ensure maximum response. The pharmaceutical Press had promised to co-operate by giving publicity to the survey.

Transparencies of colour photographs taken of the interior of the Society's House are being made available to members a charge of 4s. each or 30s. the set of nine, including package and U.K. postage.

Retirements

The meeting being the last to be attended by Messrs. W. S. Howells and J. F. McNeal, tributes were paid to them by the committees with which they had been closely connected, and at the conclusion of the Council meeting the president expressed the Council's appreciation and thanks for all that they had done for the Society during their twenty-seven years as Council members. Mr. Howells had been treasurer of the Society for longer than any of his predecessors and Mr. McNeal had identified himself with the work of benevolence.

NEW BOOKS

Marking Containers of Hazardous Chemicals

Association of British Chemical Manufacturers, 86 Strand, London, W.C.2. 9\frac{3}{4} x 7 in. Pp. 130. 15s. (paper back).

THIS is the third edition of a work first published in 1953. In the present edition the list of chemicals for which warning labels are recommended has been considerably extended, and now contains 410 different products. It deals with chemicals as such and not with compounded products such as insecticides.

The Change of Life

KENNETH C. HUTCHIN, M.D., W. & G. Foyle, Ltd., 119 Charing Cross Road, London, W.C.2. $7\frac{1}{4}$ x 5 in. Pp. 92. 4s.

THE author sets out to show that the menopause is only one (and not the most important) of many changes that are continually taking place in the human body throughout life. Written for the lay person, it explains in non-technical language what takes place at "the change" in both men and women. The book is one of a series of the publishers' health handbooks, and could usefully be sold by pharmacists when professional advice is sought on the problem.

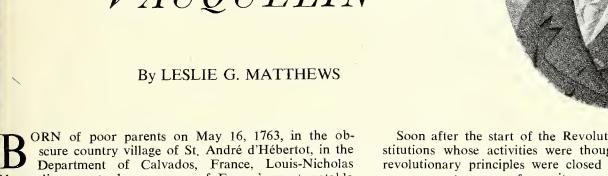
Chemistry in the Service of Man

F. N. L. POYNTER (editor), Pitman Medical Publishing Co., Ltd., 46 Charlotte Street, London, W.C.1. $8\frac{1}{2} \times 5\frac{1}{2}$ in. Pp. viii + 207. 25s.

Twelve papers, first read at the second British Congress on the History of Medicine and Pharmacy held in London in 1961, have been collected together to form this book on chemistry's contribution to the medical sciences through the ages. From the early influence on medicine of the Paracelsian doctrine, the papers trace the rise of biochemistry, pharmacology and chemical pathology in the nineteenth century. More recent histories are described in papers on endocrinology, cancer research, nutrition, genetics, antisepsis and antibiosis, and the synthetic drugs.

ONE OF FRANCE'S MOST NOTABLE PHARMACISTS

Bicentenary of the birth of LOUIS-NICHOLAS VAUQUELIN



B ORN of poor parents on May 16, 1763, in the obscure country village of St. André d'Hébertot, in the Department of Calvados, France, Louis-Nicholas Vauquelin rose to become one of France's most notable pharmacists. His career thus provides an outstanding example of "local boy makes good." How was that accomplished?

Ouite early in life Vauquelin was marked out at the village school as a boy of unusual intelligence. From his village he was helped by his schoolmaster to go to Rouen, where he was engaged as laboratory boy by an apothecary, M. Mézaise. Ridiculed by the apothecary's apprentices, who called him "rince-bouteilles" (bottle washer), he seems to have said to himself: "Very well, I may be a bottle washer but I am determined to know what the bottles contain," and he set to work to gain precisely that kind of knowledge, studying when he should have been asleep, and getting up long before his duties claimed him, in order to visit the neighbouring curé for an hour's instruction each morning. His master, Mézaise, noticing the determination of the boy, decided to help him.¹ Though he would have liked him as an additional apprentice, he recognised that the boy was not of the same upbringing as those already in his shop, and that would have caused trouble. Accordingly he arranged for young Vauquelin to be apprenticed to a Paris pharmacist, M. Picard. Vauquelin completed his years of service with a third pharmacist, M. Cheradame who, recognising his ability, introduced him to A.-F. Fourcroy (1785-1809), then one of the leading scientists in France and a chemist of international stature. Fourcroy took on the young man as a personal assistant in his laboratory.2 The relation between the two soon ceased to be formal. Accepted by the great Fourcroy as a collaborator, Vauquelin became one of Fourcroy's most devoted friends.

Urge to Own a Pharmacy

Busy as he was in the laboratory, Vauquelin could not forget his early training, and he had the urge to acquire a pharmacy of which he would be the sole proprietor. Beforc he could do that it was necessary for him to apply to the Assemblée Générale, set up during the Revolution, for recognition as a pharmacist, and to become a member of the Collège de France, which he did on December 12, 1794. Two months later, on February 13, 1795, the Assemblée having received satisfactory evidence of his studies and of his good conduct, unanimously agreed that "citoyen Vauquelin" should receive the diploma of Maître en pharmacie and that he should become a member of the Collège. It was not long before he was appointed a professor of the College, though without salary. That was the real beginning of his career as a man of science.

Soon after the start of the Revolution in 1792, many institutions whose activities were thought to be inimical to revolutionary principles were closed down. By 1803, however, a greater sense of security prevailed and with it came the reopening of some that had been dissolved, among them the School of Pharmacy in Paris, That was Vauquelin's opportunity: largely due to Fourcroy's influence, he was chosen director of the School, Fourcroy was a member of the Convention Nationale, and therefore in a position to recommend the filling of appointments. It was the Convention which, with its passion for legislation, finally defined, at the end of the eighteenth century, the limits for medicine, surgery and pharmacy, placing all three upon an equal footing.³ Soon after Vauquelin took up his appointment he and a number of other pharmacists formed the Société de Pharmacie de France, known since 1946 as the Académie de Pharmacie. It was not long before Vauquelin's talents came to be employed in many different directions—he was the great pluralist of science—professor at the Polytechnic, at the Collège de France, at the School of Mines and, as if that were not enough to keep him occupied, at the Natural History Museum.

Association with Fourcroy in Industry

There was still another side to his activities—one that is not nearly so well known as his scientific work, namely, his association with Fourcroy in an enterprise to provide France with an industrial supply of pure chemicals. Bouvet, who had access to the family papers held by M. Jean Vauquelin, of the same family, has shown conclusively that for many years Vauquelin was a partner in the laboratories of Fourcroy, Deserres and Vauquelin, 39 rue de Colombier, Paris. The laboratories commenced operations in 1803, and were soon offering tartaric acid, boric acid, antimony salts and mineral salts, and later ethers, liquid ammonia, phosphorus, etc. They supplied many laboratories throughout France, including the College of Pharmacy, and their products had also a reputation and sale in Belgium. When Fourcroy died in 1809 there were partnership changes and from 1811, when he became a doctor of medicine, Vauquelin gradually ceased to have much to do with the day-to-day running of the business. The enterprise did not turn out to be a commercial success, despite the high quality of its chemicals, and creditors began to demand payment of accounts long overdue. As late as 1823 Vauquelin himself, still at the School of Pharmacy, was receiving supplies from the firm's laboratories. By that time Quesneville, a pharmacist and former student of Vauquelin's, was describing himself as "Successeur à la Manufacture de Produits Chimiques et de Reactifs de N. L. Vauquelin, Membre de l'Institut," etc. It was evidently not then considered bad form

to advertise that a chemical business had been run by someone as exalted as a member of the *Institut* though it might not be done today.

Vauquelin's professorship at the School of Mines induced him to study the chemical composition of minerals, on which he became an authority, especially on gem-stones. His youthful decision to know what went into the apothocary's bottles remained, however, and he investigated the constituents of many raw drugs, notably those of belladonna, ergot of rye and tobacco. In his eapacity of professor at the Faculty of Medicine, Paris, where in 1810 he had succeeded his teacher and friend Fourcroy, on the latter's death, Vauquelin found time and energy to pursue work on the chemistry of animal and human body fluids. Here was a "wide-spectrum" pharmacist indeed!

In the many schools and colleges at which he taught, Vauquelin was much loved and honoured, always sure of his facts, though his modesty and an innate diffidence caused him to be chary of propounding new theories. Not surprisingly many of his students turned out to be men of note in their chosen professions: among the pharmacists were Caventou and Pelletier, discoverers of quinine, etc., and among the chemists Payen and Thénard. Vauquelin published more than 500 papers, many jointly with Fourcroy, in journals connected with the institutions in which he held appointments, principally in the Bulletin de Pharmacie, the Annales de Chimie, the Journal des Mines. He also contributed much to the Dictionnaire de Chimie (Paris, 1826). His published works include Instruction sur la Combustion des Végétaux (Tours, 1794-1803), Experimés sur les Sèves des Végétaux (Paris, 1789), Analyse de la Matière Cérébrale (Paris, 1811) and Manuel de l'Essayer (Paris, 1826). He is remembered too for his isolation of chromium and glucinium.

Vauquelin's too-liberal opinions, often expressed, brought him into conflict with Villèle, Chief Minister of Louis XVIII, whose disfavour caused him to retire to his native countryside in 1822. There, his many qualities did not go unrecognised, for in 1827 he was elected to represent the Department of Calvados in the Chambre des Députés. His

death, on November 14, 1829, at the age of sixty-six, was greatly mourned. He died in the village of his birth and there, on May 26 this year, the Sociétè d'Histoire de la Pharmacie is unveiling a bust of him and laying a wreath on his tomb to mark their great regard for the memory of a most accomplished pharmacist.

A curious happening concerning Vauquelin's personal effects was related by Doctor Lemay in 1956.5 Lemay recalled, for readers of the Révue d'Histoire de la Pharmacie, an amusing incident connected with the disposal of Vauquelin's embroidered frockcoat, the one he wore as a member of the Institut. Vauquelin's family had apparently treasured that memento of their illustrious ancestor for many decades, but at last it found its way into the old clothes market, where is was recognised by "M. Bou . . . ", a modest and yet skilful chemist. "What!", he said to himself, "Vauquelin's Institut coat going for old rags? Never!". He bought it. It was too long for him, its sleeves too short and its collar too high, but in the privacy of his own laboratory the coat seemed to fit! Whenever he had a problem especially difficult to solve, he wore Vauquelin's coat. If ever, he thought, I am elected to the Institut, at least I shall be saved the cost of a 100 écus' worth of embroidery.

As a further celebration of Vauquelin's bicentenary a commemorative postage stamp is being issued. Its release will coincide with another celebration—the fiftieth anniversary of the founding of the French History of Pharmacy Society, whose first meeting was held on February 1, 1913. As part of its celebration programme, May 24-26, the Society is preparing an exhibition having as its theme "Vauquelin and his period."

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How Many Pharmacists Are Needed? DISCUSSIONS AT ELEVENTH FRANCO-BRITISH CONGRESS

AT the business session of the eleventh Franco - British Pharmaceutical Congress, which attracted a large number of pharmacists from both sides of the Channel to Bournemouth during the May 3-6 week-end, the subject for discussion was "How Many Pharmacists Does a Community Need?" Papers on the situation in each country opened the proceedings.

Freedom the Tradition in Britain

For Britain, the opener was Mr. F. W. Adams (secretary and registrar of the Pharmaceutical Society of Great Britain), who said that, traditionally, the most characteristic feature of British pharmacy had been its relative freedom from State regulation. In principle anyone had been able to prepare and sell medicines and it had been the exception rather than the rule for control to be imposed. There had, in consequence, been no recognition in law that drugs and medicines in themselves required special knowledge and responsibility to be shown by those who made them and supplied them.

The range of substances that might be supplied only through pharmacies had been considerably extended in recent years, but it still only included antibiotics and drugs that were regarded as "poisons." Drugs and medicines as a class were not controlled and outside the categories mentioned were available for sale by any shopkeeper. Because of the absence of effective control over pharmaceutical practice, the kind of business carried on in pharmacies still bore to a large extent the mixed character it had when the Society was founded.

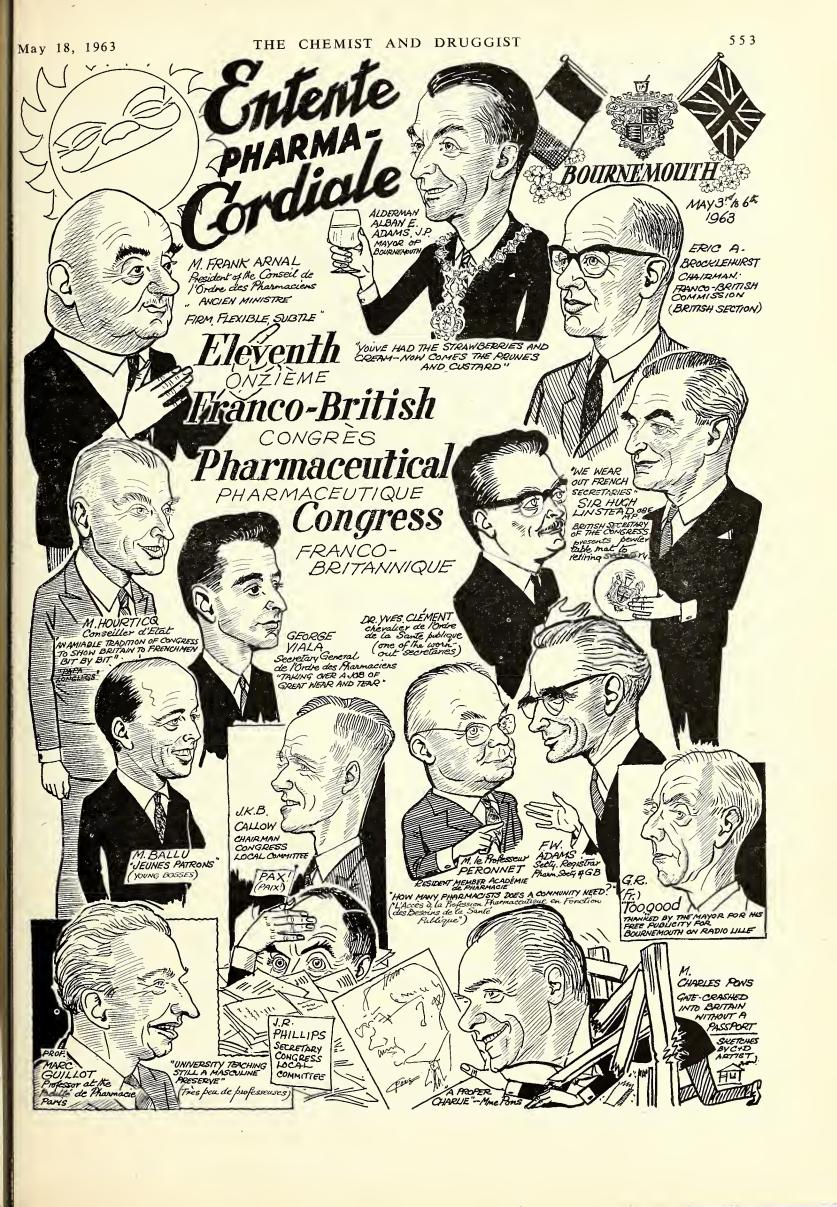
Since the National Health Insurance and National Health Service schemes, dispensing of prescriptions was in the hands of pharmacists; that work had not basically altered the pattern of pharmaceutical business, but rather had largely taken the place of "counter prescribing." There had, however, been a change in the kind of non-pharmaceutical articles sold, which in the average pharmacy today consisted of cosmetics and photographic goods. The persistence of that mixed character was due to the continued existence of competitive conditions both among pharmacists and between pharmacists and other shopkeepers. In other branches of pharmaceutical practice the situation was quite different from when the Society was founded. Industry was then little developed, and hospital pharmacy was in the hands of the apothecaries and their assistants. Although, except

for limited purposes, the law still did not require pharmacists to be employed, practical advantages had led to their position being recognised to a large extent in practice.

Growing Number of Pharmacists

At present approximately 29.000 pharmacists were on the British register, of whom rather more than 27,000 were resident in Great Britain, serving a population of 51 millions. A steady increase in the number of pharmacists had been absorbed in one way or another, irrespective of fluctuations in economic conditions. In depression years, employment demand led to more pharmacies being opened. During the post-war inflationary period the smaller number of entrants and increased cost of conducting a pharmacy had been factors in slowing down the rate of increase in the number of pharmacies and eventually to progressive decreases.

YEARLY CHANGES IN NUMBER OF PHARMACIES





Congressists at Lulworth Cove and Stonehenge.

The number of pharmacies reached its highest point in 1939 at 15,381. The war caused a number to be closed or converted into drug stores. In the postwar recovery the figure did not reach that of 1939, the post-war maximum being 15,313 in 1954. There had never been any direct control over the number of pharmacists, but pharmaceutical educational policy had in recent years played a substantial part in influencing numbers, tending to keep down the number of entrants to a figure somewhat below actual demand. In 1955 there were 26,500 pharmacists, and their distribution had been estimated by H. W. Tomski as follows:-

General practice 20,000 Retired
Industry 2,530 Outside pharmacy
Hospital 1,530 Unclassified ...

In 1955 there were 15,300 establishments engaged in general practice (on average, one to every 3,300 people). The average number of pharmacists per pharmacy was 1·2. Turnmacists per pharmacy was 1·2. Turnover of the average pharmacy was divided into one-third dispensing of prescriptions, one-third counter sales of medicines and medical and surgical appliances and sundries, and one-third cosmetics and photographic goods. If pharmacies were devoted solely to pharmaceutical work the ratio would be roughly one to 5,000 people. The average was misleading because the distribution and size of pharmacies was not adjusted to the local population. Phar-macies were situated where, when established, it had been thought they would be profitable. The majority were situated sufficiently near one or more other pharmacies to make it irrelevant from the point of view of accessibility which one the public visited.

Unprofitable Businesses

There were now many businesses unprofitable from small turnover, their owners receiving incomes lower than they could get by employment as managers or in other branches of pharmacy and investing their capital elsewhere. It was difficult to dispose of a business with a turnover of less than about £8,000 a year, and probably 25 per cent. were in that category. Unless they could increase their turnover-and there was little prospect of that in general, many would close when their owners retired and the decline in the number of businesses in recent years was due to some extent to that factor.

If a pharmacist was engaged on work that could be done by less qualified persons his services were not being





Groups photographed at Salisbury and Shaftesbury during breaks for luncheon and tea on the all-day

used to the best advantage. That would occur, for example, when there were fewer than three assistants other than the proprietor or manager. Such a business could handle a turnover of the order of £16,000. Only about half the businesses attained that figure.

Matters of Opinion

If it were possible to plan the distribution of pharmacies on the basis of public need, limiting them to purely pharmaceutical work, channelling all pharmaceutical supplies through them and ensuring optimum use of qualified labour, many fewer would be needed. How far such a state of affairs would be desirable was a matter of opinion, but the fact was that policy could only be directed, if at all, to modifying the existing situation as opportunity offered. That presupposed no change in the volume of pharmaceutical work available. Neither the quantity of medicines sold by other shopkeepers, nor that of dis-pensing still done by doctors in rural areas, would, if transferred to pharmacies, seem to be in that category. If, owing to competition from other shop-

keepers, movement was in the direction of reducing the volume of business undertaken by pharmacies in goods that could be sold elsewhere, that again seemed unlikely to be enough to affect the man-power situation unduly.

In the industrial section, although there was no legal obligation to employ pharmacists except in the manufacture of preparations containing poisons, pharmacists filled a wide variety of posts. The broad education of pharmacists gave them an advantage in developing in particular directions as compared with others whose training had been more specialised. There was no reason to believe that the demand for



pharmacists would not keep pace with the growth of the industry though that was not likely to distort the pattern of demand for pharmacists generally.

[Photos: E. J. Wright

In the sphere of hospital pharmacy the situation was controlled by Government policy, since the hospitals were now part of the National Health Ser-vice. The law did not require pharmacists to be employed in hospitals, but in practice the position of the pharmacist was to a large extent recognised. In numbers, there was a shortage of about 20 per cent. Career prospects were not good enough to attract sufficient appli-

cants to enable the Service to be properly staffed. A rapid turnover of junior staff was prejudicial to the efficiency of the Service. How the situation would be resolved was not clear but, whatever the outcome, the effect on the overall demand for pharmacists would be relatively small.

There was need for an up-to-date inquiry into the distribution of pharmacists between the various categories of employment as the basis of a manpower policy for the future.

(To be concluded)

WORLD HEALTH ORGANISATION

Joint meeting in London hears of its work

THE East Metropolitan Branch of the Pharmaceutical Society, West Ham Association of Pharmacists and London Branch, Guild of Public Pharmacists, held a joint meeting on March 20, at which DR. T. D. WHITTET spoke on "The World Health Organisation." He reviewed earlier moves to co-ordinate sanitary conventions and related how the decision to set up an international health organisation had been incorporated in the United Nations Charter.
Functions of W.H.O. comprise

comprised strengthening national health services; training health-service workers; controlling or eradicating major diseases,

protecting maternal and child health; improving sanitation and water supply; promoting mental health and raising health levels. In nine countries the eradication of malaria was in its final stages and in seven others far advanced. At its hands 200 million people had received B.C.G. vaccination against tuberculosis. It had organised an international network of sixty laboratories in forty countries against influenza. High priorities were given to programmes of water supply, waste disposal and the prevention of pollution. W.H.O. kept governments forearmed against the hazards of radiation.

GUILD OF PUBLIC PHARMACISTS

Council and annual meetings; report by a working party

WHEN the council of the Guild of Public Pharmacists met in Manchester on April 18, concern was expressed by members at disparaging references to hospital pharmacists appearing in the book "Central Sterile Supply: Principles and Practice," and the secretary was requested to send an appropriate letter to the Nuffield Provincial Hospitals Trust, which had made them. Presenting the Guild's income and expenditure account for 1962, THE TREASURER noted a considerable increase in Council expenses. The registrar reported further increases in membership, and it was decided to take no action as yet, owing to the early date at which the meeting was held after March 31, on the deletion of names of members who had not yet paid their subscriptions. The salaries secretary said that a claim for an increase in salaries was being submitted by the end of May if possible, and a subcommittee of the staff side Committee C, Pharmaceutical Whitley Council, was meeting shortly to consider the terms of the claim. The secretary of the planning and professional services committee reported that the Committee was investigating a new system for supplying sterile water for theatre use by means of a fully automatic dispenser. At a dinner following the meeting the president, on behalf of council, presented to Miss M. C. Islip, who was retiring from Council at the annual meeting, a silver condiment set as a mark of appreciation of her devoted services to the Guild.

Annual Meeting

The annual general meeting was held in Manchester on April 20, Among matters discussed were the situation in Liverpool, where many hospitals forming part of the Teaching Group are being closed and a new Teaching Hospital providing for nearly all specialities is being built. There was anxiety about several chief pharmacists for whom it would not be easy to find posts of equivalent status and salary. The Presi-DENT drew attention to HM (62) 12, dated March 8, which governs the procedure to be taken in cases of redundancy, and undertook to investigate on a personal basis the cases of those likely to be affected if they would communicate with him. The president outlined plans for preparing a new salary claim, and indicated that it must take precedence over claims for a higher qualification allowance for pharmacists who had undertaken the three-year qualifying course and increased lecture fees. He believed some progress was being made in points negotiations, but nothing could be published as yet. The general secre-tary said that a "Building Notes" on hospital pharmacies, in which considerable attention had been paid to the Guild's advice, was expected to be published shortly.

At a special council meeting it was decided that, to ensure continuity, Mr. J. C. Barfield (defeated in the election) should continue to act as general secretary only until the next council meeting (June 22).

Report on Pharmaceutical Service

The report has been published of a working party set up by the council to consider the organisation of the hospital pharmaceutical services.

The report surveys present services and discusses the effect on them of the various memoranda issued by the Ministry of Health during the past eight years. It comments on the restrictive effects the Minister's rigid interpretation of the conditions upon which group allowances shall be paid has had in some groups, and the disadvantages separating hospitals for the mentally ill

from general hospital groups.

The report recommends that the hospital pharmaceutical services should be organised on a group basis, the group pharmacist recognised as a senior specialist officer with administrative functions, and that he should be present in a consultative capacity at meetings of management committees and appropriate subcommittees. He should aim at centralising clerical duties, storekeeping and manufacture leaving day-to-day administration at individual hospitals to the pharmacist in charge. Group pharmaceutical departments, the report urges, should be equipped to provide a comprehensive pharmaceutical service, including the production of sterile medicaments, "though it may sometimes be desirable for neighbouring groups to be associated for that pur-

pose." Wherever possible a specialised hospital group would be associated with another (preferably general) hos-The group pharmacist pital group. should be recognised as purchasing officer for all pharmaceutical supplies, should be the convenor or secretary of the Standing Drugs and Dressings Committee (mentioned in HM(61)78) and should, with his deputy, have a salary scale rather than group allowances.

The report envisages three grades of pharmacist (pharmacist, pharmacist-incharge and group pharmacist) and the discontinuance of some existing titles such as chief and senior. Persons currently graded senior pharmacist would become pharmacists. Extra responsibilities should be recognised by payment of increments at the discretion of the employing authority. For pharmaceutical technicians (dispensing assistants) an adequate salary structure and ratios to pharmacists are suggested.

At regional level there should be, in addition to the Regional Pharmaceutical Advisory Committee, a full-time Regional Pharmaceutical Officer, whose suggested duties are briefly outlined in the report, and it is envisaged that he would act as secretary of the Regional Pharmaceutical Advisory Committee. The final paragraphs emphasise the desirability of post-graduate courses leading to a diploma; and of opportunities to acquire proficiency in new techniques as they develop in hospital pharmaceutical practice. Exchange appointments within the hospital pharmaceutical service should be encouraged.

NORTHERN IRELAND HEALTH BOARD

Four chemists in breach of service terms

REPORTS of investigations into complaints against four chemists were presented to the Northern Ireland General Health Services Board at its April meeting by its Services Committee.

One chemist was alleged to have permitted the dispensing of medicines otherwise than by or under the direct supervision of a registered pharmaceutical chemist. The chemist said he had called on his wholesaler while-returning from lunch, and if he had spent five minutes less there the incident would not have happened. The agent had called at a time when normally few prescriptions were dispensed. To prevent a recurrence of the matter he had amended his hours-of-contract service with the Board to close during lunch hour. His assistant, who was not qualified and had counted out the tablets, had been with him for six years. The committee considered the chemist to be in breach of his terms of service and recommended recovering £5 5s. from him.

Out of Stock of Capsules

The second case alleged that a firm of chemists had failed to dispense a test prescription with reasonable promptness. The company's managpromptness. The company's managing director and superintendent pharmacist admitted that, being out of stock of the capsules at the time, the pharmacist could have borrowed a supply from one of the other chemists in the neighbourhood, but he always obtained supplies from his wholesaler.

The committee recommended that £3 3s. should be recovered from the company.

The third case alleged that a chemist had failed to label properly the container used in dispensing a test prescription. The chemist stated that his assistant had been told by the Board's agent that the doctor had not given him directions about taking the medicine. The assistant had then told the agent that, as the original container included directions, it would be left on. The committee recommended that the chemist should be reprimanded.

The fourth case alleged that drugs dispensed by a chemist on a test prescription were not in accordance with the prescription, and that she had permitted the dispensing of medicines otherwise than by, or under the direct supervision of, a registered pharma-ceutical chemist. The contractor said she had tried without success to obtain the services of a pharmacist and was finding it difficult to maintain qualified cover for the shop. Recovery of £6 6s, from the chemist was recommended.

A report was received from its Medical Advisory Committee that, under the Sunday rota in Belfast, a few shops in the city centre opened 2-3 p.m. and a larger number on the periphery 6-7 p.m. It had been suggested that a better service would be provided if the situation were reversed, but the committee decided to retain the present arrangements.

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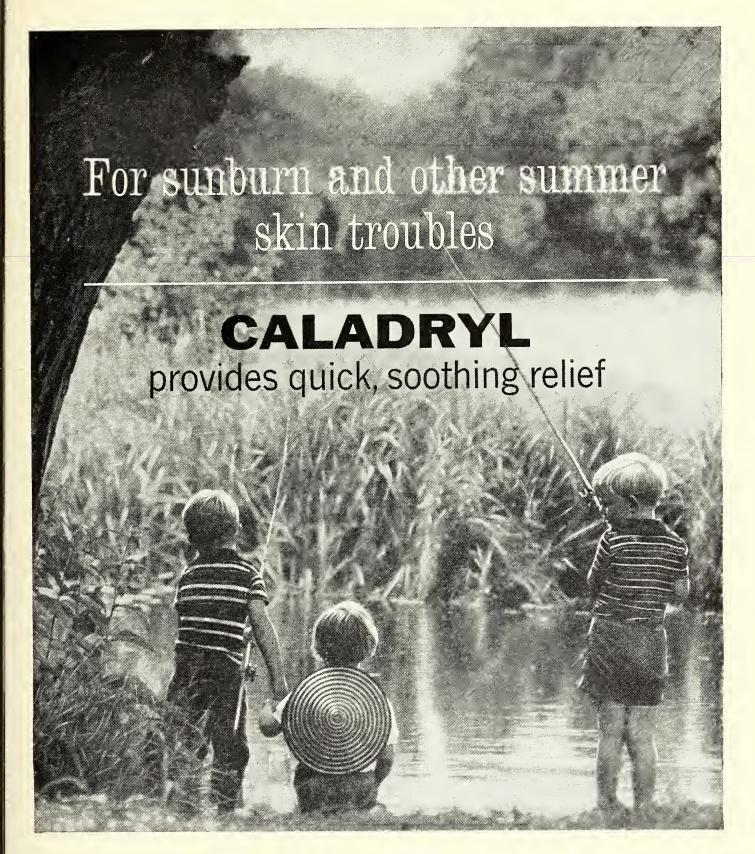
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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

London, May 15: Prices of Brazilian Menthol again moved up during the week with shipment 1s. 6d. per lb. dearer at 21s.; in-bond material was available at 21s. also.

There was little interest shown in any CRUDE DRUGS, and SPICES were dull. White Sarawak PEPPER was sold below the quoted level Cochin GINGER was slightly easier, but Jamaican material was higher by 5s. per cwt., both spot and forward. Mombasa CHILLIES were down 5s. per cwt. for immediate delivery. There was a rumour that CARDAMOMS were to be subjected to floor prices of about one shilling per lb. above the current rates, but holders did not alter their quotations. World raw SUGAR prices moved up sharply during the week. A substantial increase in the United States import quotas, coupled with a short supply of near-at-hand material, were responsible, and prices of refined material rose daily. During the week ended May 11 refined gained an aggregate of 9s. per cwt. and on May 12-13 rose a further 5s. $10\frac{1}{2}$ d. IPECACUANHA was in tight supply, with prices tending still further upwards. MERCURY

was reduced by 10s. per flask.
In ESSENTIAL OILS, Formosan
CITRONELLA gained 1s. 9d. per lb. at
14s., c.i.f. Brazilian PEPPERMINT was three-halfpence dearer at 16s. 3d. per lb., c.i.f., and Bois DE ROSE was sixpence dearer at 22s. 6d., c.i.f.

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ACETANILIDE. — Crystals, one-cwt. lots, 2s. 10d. per lb.; 5-cwt., 2s. 9d.

ACETIC ACID.—Per ton, in bulk from £87 to £91 for B.P. glacial and £83 to £87 for 98–100 per cent. In drums of 90-gall. from £94 to £97 and £90 to £93 respectively. In 5-gall. demijohns, £104-£124 and £100-£120 respectively; containers extra and returnable at seller's expense. The technical 80 per cent. grade ranges from £69 in bulk to £110 per ton for 1 demijohn and 80 per cent. pure from £75 to £116.

ACETYLSALICYLIC ACID. — One-ton lots, 4s. $0\frac{1}{2}$ d. per lb.; 5-cwt., 4s. 5d.; 1-cwt., 4s. 8d.

p-Aminosalicylic acid. — \$ 17s. 6d. per kilo for 1,000-kilo lots. Sodium,

BACITRACIN.—Sterile topical is 53s. per mega unit for 25 m.u.

Borax.—B.P. grade, 1 ton and upwards: Granular, £54 10s.; crystals, £58; powder, £59; extra fine powder, £60 per ton, all in hessian sacks. Less £1 for paper bags, Commercial from £44 10s. to £51 per ton as to type and packing. Anhydrous borax is £60 per ton in hessian bags or £59 in paper bags; carriage paid in Great Britain. Surcharges for small quantities: Less than 1 ton but not less than 10 cwt.. 2s. per cwt.; 5 to 9 cwt., 4s.; 1 to 4 cwt., 8s. BORAX.—B.P. grade, 1 ton and upwards:

Boric acid.—B.P. grade in 1 ton and upwards (per ton): Granular, £84; crystals, £97; powder, £90 10s.; extra-fine powder, £92 10s. per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supp'ied in paper bags. Technical from £70 to £80 10s. per ton according to type and packing. ing to type and packing.

CAFFEINE. — ANHYDROUS and MONOHY-DRATE for 50-kilo lots and over, 28s. 1d. per kilo; CITRATE, 20s. 11d.

CALAMINE.—Five-cwt. lots, 1s. 10d. per lb.; 1-ton, 1s. $8\frac{1}{2}$ d.

Cantharidin. — Per oz. 222s. 6d. for 4-oz. lots.

Chiniofon.—B.P. 1948, 58s. per kilo; chiniofonic acid, 83s. 9d. per kilo.

HYDRATE. — One-cwt. CHLORAL 4s. ld. per lb.

Chloroform.—1-cwt. lots in winchesters, 3s. $4\frac{1}{2}d$. per lb.; 56-lb., 3s. 6d. In drums, 3s. $2\frac{1}{2}d$. and 3s. 4d. per lb. respectively.

CHRYSAROBIN.—Per kilo, 5-kilo-lots, 150s. CITRIC ACID.—Domestic powder, in kegs, per cwt. 1–4 cwt. lots. 206s.; 5-19 cwt., 205s.; 1 ton, 204s. If packed in bags deduct 7s. per cwt.

Cortisone.—One-kilo lots, acetate and hydrocortisone acetate or alcohol, 5s. 6d. per gm.

CREAM OF TARTAR.—Home trade:—Oneton lots, 241s. per cwt., 10-cwt., 242s.; 5–9-cwt., 243s.; 2–4-cwt., 244s.; 1-cwt., 245s. (1f supplied in bags deduct 5s.)

DICOPHANE (DDT). — One ton lots, 2s. $4\frac{1}{2}$ d. per lb.

DIHYDROXYACETONE. — 50-kilo lots are 62s. per kilo.

EPHEDRINE.—ALKALOID nominally 6s. 6d. per oz. SULPHATE, 4s. and HYDROCHLORIDE, 3s. 3d. per oz.

ETHER. — Per lb. in winchesters: B.P. TECHNICAL, B.S.S., 5-cwt., 2s. 9d.; (4s. 4d. per litre). In drums the price is 2s. 1d. per lb. ANÆSTHETIC, B.P., 6-cwt., 3s. 11½d.; 10-cwt., 3s. 7½d.

FORMALDEHYDE.—B.P. solutions, 5 drum lots, 710s. per ton in free drums, delivered.

Gallic acid.—B.P., 10s. 6d. per lb. for 2-cwt. lots. Technical grade 9s. 9d.

GLUCOSE. — Medicinal, B.P., POWDER, 66s. 6d. per cwt., delivered in 1-ton lots, 1–4 cwt., 69s.; 56-lb. bags, 36s. Liquid, basic price, 48s. 6d. cwt.

GLYCERIN.—Chemically pure B.P.:—

	Ove 25 to		5 to and und 25 to	d er	1 to and und 5 to	d er	Und 1 to	
TANK WAGONS	s.	d.	s.	d.	s.	d.	s.	d.
10-14 tons	166	0	I —	•	_	-	_	-
5-10 tons	167	0	169	0	-	.	-	-
DRUMS							ĺ	
5-10 cwt.	170	0	172	0	175	0	181	0
21 cwt.	172	0	174	0	177	0	183	0
1 cwt.	174	0	176	0	179	0	185	0
TINS								
56 lb.	189	0	191	0	196	0	205	0
28 lb.	195	0	197	0	202	0	210	0
14 lb.	201	ŏ	203	ő	208	ŏ	216	ŏ

Delivery of less than 1-cwt. charged 7s. 6d. extra. Drums charged and returnable. Minimum terms for technical grade glycerin s.g. 1·2627 are 161s. 0d. per cwt. for lots of over 25 tons in bulk deliveries of 10–14 tons.

HYDROCHLORIC ACID.—B.P., 50s. per cwt. in carboys.

HYDROCYANIC ACID.—Dilute B.P.C., from 3s. 2d. to 4s. per litre, as to quantity; Scheeles from 3s. 10d. to 4s. 9d.

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KAOLIN.—Light, 60s. per cwt.; 1-ton, 57s. per cwt.

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METHYL TESTOSTERONE.—Per kilo, £95. NEOMYCIN.—SULPHATE, B.P., 1,125s. per

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PHENOL.—Ice crystals in bulk, 1s. 4d. per lb. LIQUID, B.P., 1s. 9d. per lb. in 56lb. returnable tins.

PHOSPHORIC ACIDS. — B.P. (s.g. 1.750) is from 1s. 4d. to 1s. 8d. per 1b. as to quantity. B.P. 1914, 1s. 2d. to 1s. 6d. per lb. Hypophosphorous, B.P.C., in win-chesters is from 7s. 5d. to 8s. 6d. per lb. as to quantity: drums, 7s. per lb.; 50 per cent. acid in drums, 8s. 9d. per lb.

POTASH SULPHURATED. → Lump, B.P.C., 3s. 2d. per lb. in 1-cwt. lots.

Potassium acetate. — (Per lb.) 1-cwt. lots, 3s.; 5-cwt., 2s. 8d.; 10-cwt., 2s. 6d.

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POTASSIUM BROMATE. — In 5-cwt. lots, 5s. 3d. per lb.

POTASSIUM CARBONATE. — One-cwt. kegs, 2s. 4d. per lb.

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POTASSIUM NITRATE. — Pharmacopæial quality, 100s. per cwt. (crystals or powder) in 1-cwt. lots. - Pharmacopæial

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Pyrogallic acid. — One-cwt., pure crystals, 24s. 6d. per lb.; resublimed 26s. 6d.

Salicylic acid.—One-cwt., 3s. $4\frac{1}{2}$ d., per lb.; 5-cwt., 3s. 2d. per lb.

STREPTOMYCIN.—BASE or SULPHATE, 9d. per gm. Same prices for Dihydro.

SULPHURIC ACID.—Ninepence to 1s. 2½d. per lb. in winchesters.

TANNIC ACID.—The B.P. fluffy, 8s. 6d. per lb. (5-cwt. lots).

ZINC CARBONATE. — One-cwt. lots,

ZINC CARBONATE, — One-cwt. 10ts, 1s. 11½d. per lb.; 1-ton, 1s. 8d.

ZINC CHLORIDE, — B.P.C. cake, 7s. per lb.; sticks, 7s. 10d. Technical, 115s. per

ZINC OXIDE. — Two-ton lots B.P. grade, £95 per ton; 1-ton, £96.

ZINC PEROXIDE. — One-cwt. lots of B.P., 5s. 3d. per 1b.

ZINC SULPHATE. — B.P., 1-cwt. lots,

Crude Drugs

ACONITE. - Spot: Spanish napellus, 2s. 9d. per lb.

Agar. -- Kobé No. 1, 12s. per lb. in bond; shipment, 11s. $10\frac{1}{2}$ d., c.i.f.

ALOES.—Spot primes, 195s. per cwt., shipment, 190s. to 195s., c.i.f., as to position. Curaçao, spot, 320s.; shipment, 300s., c.i.f.

ANISE. — Chinese STAR, 185s. per cwt., spot, duty paid; shipment, 152s. 6d., c.i.f.

ARROWROOT. — St. Vincent, superfine sifted, 1s. 6d. per lb., spot.

BALSAMS. — Per lb.: CANADA: Spot, 18s. 6d. to 25s. COPAIBA: B.P.C. grade, 10s. 6d., duty paid. PERU: Spot, 8s. 6d. duty paid. TOLU: B.P., from 10s. 9d. to 32s. 6d.

Belladonna. — Herb, 0.5 per cent. 2s 3d. per lb., duty paid. Root, testing over 0.5 per cent., 1s. 9d. per lb.

Benzoin.—Sumatra block, spot £18 10s. to £35 per cwt. as to quality.

Buchu. — Spot, 3s. 10d. per lb.; shipment, 3s. 9d., c.i.f.

CALAMUS.—Root, 100s. per cwt., spot, 87s. 6d., c.i.f.

CALUMBA ROOT.—Mozambique spot, 85s. per cwt.; 70s., c.i.f.

CAMPHOR. — B.P. powder nominally 4s. 9d. per lb. in bond. No c.i.f. offers.

Capsicums. — East African on stalk, 150s. per cwt.; Ethiopian, 145s.

Cardamoms. — Aleppy greens, 8s. per lb. spot; shipment, 7s. 9d., c.i.f. Seeds, spot, whole, 14s.; splits, 10s. 6d.

Cascara. — Spot, 210s. per cwt.; shipment, 195s., c.i.f.

Cassia. — Fistula, 105s. per cwt.; lignea (whole), for prompt shipment, 250s., c.i.f.; spot, 375s., duty paid; broken 225s., c.i.f.

Chamomile. — Roman-type, 1962 crop offers about 11s. per lb.; Matricaria, 7s. 6d.

CHERRY BARK. — Thin natural, 1s. 8d.

CHILLIES.—Zanzibar, 170s. spot; shipment, 170s. per cwt. Mombasa spot, 215s., shipment, 160s., c.i.f.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 7s. $2\frac{1}{4}$ d.; single O, 6s. $8\frac{1}{4}$ d.; seconds, 5s. $9\frac{1}{2}$ d.; quillings, 5s. $2\frac{3}{4}$ d.

CLOVES. — Zanzibar spot. 2s. $10\frac{1}{2}$ d. per lb. standard grade; shipment, 2s. 7d., c.i.f.

Cochineal. — Canary Isle black-brilliant nominal; silver-grey nominally 16s. per lb., c.i.f. Peruvian, silver-grey, 11s. 9d., duty paid; forward nominal.

Cocillana. — Bark, 2s. per lb. on the

COLOCYNTH PULP. — Spot and shipment

DIGITALIS.—Purpurea leaves, 2s. 8d. to 3s. per lb., c.i.f., as to potency.

ELEMI.—Spot, 1s. 6d. per lb. Shipment, 1s. 1d., c.i.f.

Ergot. — Portuguesc, 9s. per lb., spot; 8s. 9d., c.i.f.

GINGER.—(Per cwt.). African, spot about 370s. Jamaican No. 3 spot, 675s. quoted. Shipment, 655s., c.i.f. Cochin, spot, 245s.; forward, 245s., c.i.f.

GUM ACACIA. — Kordofan-cleaned sorts, 160s. per cwt., spot; shipment, 138s.,

HENNA. — Indian, spot, about 90s. per cwt.; shipment, 75s., c.i.f.

Honey. — (Per cwt.). Australian light amber, 145s. to 150s. and medium amber, 140s. to 145s. Argentine, 165s. to 170s.; Jamaican, 130s. to 135s.; Canadian, 165s. to 170s.; Mexican, 155s. nominal; all ex

IPECACUANHA. — Costa Rican, 88s. per lb. spot nominal; Matto Grosso for shipment, 69s., c.i.f., nominal.

JUNIPER BERRIES. — Hungarian, 95s. per cwt.; German, 145s. spot.

KARAYA. — No. 1 gum, spot 365s. per cwt.; No. 2, 280s. per cwt.

Kola NUTS. — African $5\frac{1}{2}$ d. spot and $4\frac{1}{2}$ d., c.i.f. (per lb.).

Lanolin. — Anhydrous B.P. is from 170s. to 190s. per cwt. in 1-ton lots delivered, free drums.

Lemon peel.—Spot, 2s. 3d. per lb. Linseed. — Whole, 72s. 6d. per cwt.; crushed, 102s. 6d.

LIQUORICE. — Natural root: Russian, 65s. per cwt.; Anatolian, 57s. 6d.; Persian 52s. 6d.; Sicilian 1-kilo bundles, 1s. 6d. per lb. Block juice: Anatolian from 200s. per cwt.; Italian stick from 329s. to 470s. per cwt.

Lobelia Herb.—American spot, 6s. 3d. per lb.

MACE.—Whole, pale blade, 15s. per lb. nominal; shipment, 14s., c.i.f.

Malefern.—Root for shipment quoted at 75s. per cwt., c.i.f.

MENTHOL.—Chinese: spot, 41s. per lb. duty paid; May-June shipment, 35s., c.i.f. Brazilian, 21s. in bond; shipment, 21s., c.i.f. Formosan, 28s. 6d. in bond; shipment, 21s., ment, 26s., c.i.f.

MERCURY.—Spot ex warehouse £59 10s, per flask of 76 lb.

NUTMEGS.—West Indian 80's, 11s. 9d. per lb. ex wharf; sound unassorted, 9s. 6d. nominal; defectives, 7s. 9d.

Nux vomica.—Cochin, 75s. per cwt. on the spot.

Orange Peel. — Spot: Sweet ribbon, 1s. 10d. per lb.; bitter quarters: West Indian, 10½d.; Spanish, 1s. 4d.; bitter ribbon, 1s. 3d.

PAPAIN. — For shipment: East African No. 1, about 34s., c.i.f.

PEPPER.—White Sarawak spot, 3s. 1½d. to 3s. 3d. per lb.; shipment, 3s., c.i.f. Black Sarawak spot, 2s. 6d.; shipment, 2s. 3d., c.i.f. Black Malabar, 320s. per cwt. spot; shipment, 275s., c.i.f.

PIMENTO. — Spot 638s. per cwt.; shipment, 580s., f.o.b.

Pyrethrum. — Extracts — partially deaxed. 25 per cent, pyrethrins, 74s. 6d. waxed, 25 per cent, pyrethrins, 74s. 6d. to 65s. 6d. per lb.; decolorised dewaxed, 20 per cent., 66s. 6d. to 59s. 4d. per lb. Quassia.—Spot, 57s. 6d. per cwt.

Quassia.—Spot, 57s. 6d. per cwt.

Seeds. — (Per cwt.). Anise.—Spanish, 265s., duty paid. Caraway. — Dutch, 157s. 6d. to 160s. quoted, duty paid. Celery.—Indian offered at 220s., spot; shipment, current crop 180s., c.i.f., new crop for June-July, 160s., c.i.f. Coriander.—Moroccan unchanged at 62s. 6d., duty paid; shipment quiet and steady at 52s. 6d., c.i.f. Cumin. — Iranian, 165s., duty paid; shipment quoted at 140s., c.i.f. Dill.—Indian, 80s. paid spot; shipment, 60s., c.i.f. Fennel.—Indian, 125s., spot; shipment, 120s., c.i.f. Fenugreek. — Moroccan, 55s., duty paid; shipment steady at 42s. 6d., c.i.f. Mustard. — English, 47s. 6d. to 70s., according to quality. quality.

SENEGA.—Spot, 14s. 6d. per lb.; shipment, 14s., c.i.f.

Tonquin Beans.—Para spot, 5s, 6d. per lb.; shipment, 4s. 10½d., c.i.f.; Trinidad, 7s. 6d., spot.

Turmeric. — Madras finger spot, 155s. per cwt. quoted; shipment June–July, 130s., c.i.f.

Waxes, C.i.f.

Waxes, — (Per cwt.): Bees'.—Dar-es-Salaam, spot 465s. nominal; shipment 440s., c.i.f. Abyssinian, spot 410s., in bond; shipment, 390s., c.i.f. Sudancse spot 450s.; shipment, 385s., c.i.f. Candellilla, spot, 465s.; forward, 460s. landed. Carnauba, fatty grey, spot, 310s., shipment, 290s., c.i.f.; prime yellow, spot, 670s.; shipment, 665s., c.i.f.

Wilch hazer teams—Spot quotations

WITCH HAZEL LEAVES.—Spot quotations are 2s. 10d. per lb.

Essential and Expressed Oils

ALMOND. — Sweet, English expressed, 9s. 6d. per lb.; foreign, 7s.

ANISE. — Chinese, 19s. per lb., spot; shipment, 18s. 6d., c.i.f.

BERGAMOT. — Case lots on spot from 88s, 6d, per lb. as to ester content.

Bois de Rose.—Brazilian, 26s. per lb. on the spot; May-June shipment, 22s, 6d.,

CAJUPUT.—Spot from 10s. per lb.

CARAWAY.—Imported oil, 34s. per lb.

CARDAMOM.—Imported from 225s. per

CELERY SEED. — Quotations are from 110s. per lb.

CHENOPODIUM.—About 35s. per lb. in original containers.

CITRONELLA. — Ceylon, spot, 9s. 1½d.; shipment, 8s. 9d. per lb., c.i.f. Formosan 15s. 9d., in bond; May–June shipment, 14s., c.i.f.; Chinese, spot cleared; May–June shipment, 15s., c.i.f.

COD-LIVER. — B.P. is 11s. 6d. per gall. including charged returnab e drums, Veterinary is from 9s. 6d. per gall. Delivered terms, 25-stone lots.

CUMIN.—English distilled oil, 130s. per lb.: imported, 85s.

CLOVE.—Madagascar leaf spot, 7s. 4½d. per lb., duty paid; shipment, 6s. 6d., c.i.f. Rectified 87–88 per cent., 12s. Distilled bud-oil, English B.P., 26s. lb. for 1-cwt. lots.

DILL.—Imported, 33s. per lb., spot, 28lb. tins.

EUCALYPTUS.—B.P. 6s. 6d. and 6s. 9d. per lb. on spot for 70–75 and 80–85 respectively.

GERANIUM.—Bourbon, 90s. to 100s. per lb. on the spot.

GINGER. — Imported: Jamaican, 130s. per lb.; Chinese, 72s. 6d., duty paid. English 135s. Indian 125s.

GRAPEFRUIT.—Florida, 19s. to 21s. per lb. spot.

JUNIPER. — B.P.C. 1949 oil is from 13s. 6d. per 1b. JUNIPER WOOD, from 5s. LAVANDIN.—From 11s. to 12s. 9d. per

lb. as to quality. LAVENDER SPIKE.—Spanish, 12s. 6d. per

lb. for original drums. Lemongrass. — Spot, 11s. 6d. per lb.; shipment, 11s. 6d., c.i.f.

Orange.—Floridan sweet oil 7s. per lb. nominal; shipment, 6s., c.i.f. South African and Rhodesian, 7s. 6d.; Israeli, 5s.; West Indian, 10s.; Spanish, 15s. to

17s. 6d., spot. Palmarosa. — Shipment, 62s. per lb..

PATCHOULI. — Penang is 22s., duty paid and 19s., c.i.f., per lb.

PENNYROYAL. - Spot, 14s. 6d. per lb., duty paid.

PEPPERMINT. — Arvensis: Chinese spot, 12s. 6d.; shipment, 9s. 9d., c.i.f. Brazilian spot, 6s. 3d. to 6s. 6d.; shipment, 6s. 3d., c.i.f. Piperita: Italian, 48s. to 70s., spot. American from 37s. to 38s. 6d. per lb. as to make.

PIMENTO. — English-distilled berry from 150s. per lb.; imported, 32s. 6d. Rectified leaf, 19s. 6d. per lb.

UNITED STATES REPORT

NEW YORK, MAY 14: Brazilian MEN-THOL was dearer at \$3.40 per lb. (up 45 cents.). BRUCINE is tight with the ALKALOID and SULPHATE nominally 80 cents per oz. (up 15 cents.). CEDAR LEAF OIL moved up 85 cents to \$4 per lb. Lower per lb. among ESSENTIAL OILS were EUCALYPTUS, 80/85 per cent., at \$1 (down 10 cents); natural PEPPERMINT at \$4.65 (5 cents) and Bourbon VETI-VERT at \$14.50 (25 cents).

PRINT AND PUBLICITY

PRESS ADVERTISING

URROUGHS WELLCOME & CD., Euston Road, London, N.W.1: Saxin, In national and provincial newspapers and women's magazines.

B. CARTWRIGHT, LTD., Rawdon, Leeds: Moorland indigestion tablets. In national Press.

HOMAS CHRISTY & CO., LTD., North Lane, Aldershot, Hants: Rosedale products. In Daily Mirror.

AY & ABRAHAM (MNFG.), LTD., 2 Upper Dukc Street, Liverpool, 1: Susie's perfect cleaner, In The Lady, Homes and Gardens, Home and The Countryman,

ENDRON DISTRIBUTDRS, LTD., 94 Rickmansworth Road, Watford, Herts: Perform "hardto wave" set. In national Press and women's

ARLEY'S INFANT FOOD, LTD., Torr Lane, Plymouth, Devon: Farley's infant foods. In

OOD BRDKERS, LTD., Chemist Division, Morden, Surrey: Q.T. quick tanning lotion. In Daily Mirror, Sunday Mirror and The People.

RYER & CD., Victory Factories, Nelson, Lancs: Victory V lozenges. In national Press,

GOLDEN, LTD., Berkeley Square, London, W.1: Color-Match. In Woman, Woman's Journal, Woman's Realm, Modern Woman, Every-woman, Woman's Own, Woman and Beauty, Sunday Express, Daily Mirror and Sunday Mir-ror, Ambre Solaire. In Daily Express, Daily Telegraph, Daily Mail, Sunday Times and The Observer

W, HAMPSHIRE & CO,, LTD., Sunnydale, Derby; Loxenc hair cream. In Daily Express, Daily Mirror, Daily Sketch, Daily Herald, Reveille, News of the World, Belfast Telegraph, Glasgow Sunday Post and Thomson's Weekly News.

FORD, LTD., Ilford, Essex. Window-stickers, leaflets, showcards and counter dispensers for Ilford colour film, black-and-white film and cameras.

MONIL, LTD., Hunanby, Filey, Yorks: Monil colour shampoos. In national and provincial Press.

PRODUCTS, LTD., 225 Bath Road, Slough, Bucks: Sno-Mist deodorant, In Woman, Woman's Own, Woman's Mirror, Valentine, Roxy, Boyfriend and Marilyn.

PDTTER & MDORE, LTD., Lavender House, London, E.10: Potter & Moore products. In Woman, Woman's Realm and Woman's Own.

RADIDL CHEMICALS, LTD., 78 Upper Richmond Road, London, S.W.15: Radian products. In national and provincial newspapers.

RECKITE & SONS, LTD., Hull; Steradent and Steradent tablets, In Radio Times.

ROBINSON & SDNS, L1D., Wheat Bridge Mills, Chesterfield: Mene santary towels, In women's



New display unit for new Panadol packs, The unit holds 1 doz, and has a narrower, more space-saving frontage than previous Panadol displays.

RONSON PRODUCTS, LTD., RONSON House, 352 Strand, London, W.C.2: Ronson electric Ronson electric razors. In Daily Express, The People and Daily Telegraph.

SCHICK, INC. (U.K.), LTD., Wisborough Green, nr. Billingshurst, Sussex: Schick superspeed razor, In Daily Mirror, Daily Mail, Daily press, Daily Telegraph, Radio Times, TV Times and Reader's Digest.

SMITH KENDON, LTD., 132 Borough High Street, London, S.E.1: Skels and Min-skels, In

Balance,

SOUTHALLS (SALES), LTD., Rockvill Road, Saltley, Birmingham, 8: Nivea products. In Woman, Woman's Realm, Woman's Own and Woman's Mirror.

JOHN STEEDMAN & CD., 272 Walworth Road, London, S.E.17: Steedman's barrier nappy cream. In national Press.

THAWPIT, LTD., Woodstock Grove, London, W.1: Thawpit dry cleaner. In women's magazincs, household magazines and Reader's Digest. WARRICK BROTHERS, LTD., Tile Hill, Coventry;

D.afrutes. In Balance. WRIGLEY Co., LTD., East Lanc, Wembley, Middlesex: Wrigley's spearmint chewing gum, In Mother.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Tuesday, May 21

EAST METROPOLITAN BRANCI, PHARMACEUTICAL SOCIETY, Swan hotel, Broadway, Stratford, E.15, at 8 a.m. Annual meeting and film.

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Hackwood hotel, Widmore Road, Bromley, at 8 p.m. Annual meeting. Mr. C. C. Stevens on "Leading Cases in Forensic Pharmacy."

WEST MIDDLESEX BRANCH, PHARMACEUTICAL SO-CIETY, Ealing town hall, New Broadway, London, W.5, at 8 p.m. Annual meeting and film.

Wednesday, May 22

Manchester Pharmaceutical Golfing Sdciety, Fulwood, Preston, Lanes, Play for Nicholas Products, Ltd., prize.

Paris Fair, Exhibition Park, Porte de Versailles and Grand Palais, Champs-Elysées, Paris, France, Until June 3.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 10 a.m., and north hall, Victoria House, Bloomsbury Square, London, W.C.1, at 8 p.m. Annual meeting.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, VICtoria House, Bloomsbury Square, London, W.C.1, at 10.30 a.m, Special Branch Representatives' meeting, SDUTH LONDON AND SURREY PHARMACISTS' GOLF-

ING SOCIETY, Langley Park golf club, Barnfield Wood Road, Beckenham, Kent, at 1 p.m. Stableford competition,

University of London, Post-graduate Medical School of London, Post-graduate Medical School of London, 150 Du Cane Road, London, W.12, at 2 p.m. Dr. J. Kelsey on "Is it Sterile?"

Thursday, May 23

OXFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Martyrs Memorial, St. Giles, Oxford, at 1.30 p.m. Visit to brewery at Reading.

PHARMACEUTICAL SOCIETY DE GREAT BRITAIN, CONnaught Rooms, Great Queen Street, London, W.C.2, at 10 a.m. Branch Representatives' meeting.

PHARMACEUTICAL SOCIETY, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Dr. G. A. Nelson on "British Poisonous Plants."

SCHOOL OF PHARMACY, Sunderland Technical College, at 3 p.m. Extension course for hospital pharmacists. "Drugs and the Central Nervous System '' (4).

THAMES VALLEY PHARMACISTS' ASSOCIATION K'ngston hotel. Kingston-upon-Thames, at 7.45 p.m. Demonstration of cosmetics by Gala of London, Ltd.

Friday, May 24

UNIVERSITY OF LONDON, Institute of Obstetrics and Gynæcology, Queen Charlotte's hospital, Goldhawk Road, London, W.6, at 9.45 a.m. Professor A. Csapo on "Model Experiments and Clinical Trials" (by ticket only).

COMMERCIAL TELEVISION

Figures in these columns represent number of appearances of the "spot" during the week.

May 26 to June 1	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.	W.&N.Wales
Alka Seltzer Anadin	5	2	5	2	5	5	<u> </u>	5	5 I	5	5 2	_2	1	5	5
Andrews liver salt	2	1	1	_	3	3	1	2	1	2	_	_	_	_	2
Angel Face lipsticks	4	_	_	_	_	_	_	_	_	_					_
Anne French products	_	1	_	1	1	_	- 1	1	1	_		_	_	_	_
Askit	_	_	_	13	_	_	_	_	_		7	2	_		
Babysoft	3	3	_	_	_	_	3	_	_	_	_	_	_	_	_
Beecham powders	4	4	3	3	3	3	4	3	3	3	3	3	—	_	
Bisodo1	_		4	5		_	_	_	_	_	_		_	_	_
Bunty Baby products	_		_	_	_	_	_	_	2	_	_	_	_	_	
Christy's lanolin face pack	2	_	2	2	2	_	_	—	_	_	_	_	_	_	_
Dentosine	_	1	_	_				_	_	_	_	_	_	_	-
Dentu-cream	_	_	—	_	_	1	_	1	_		-	_	_	_	_
Dinneford's magnesia	1	_	1	_	_	_		-	—	_	_	_	_	_	—
Ibcol	2	3	_	_	-		2	_	_	_	-	_	_	_	_
Immac	—	_	2	1	_	_	_	_	_	_	_	_	_	_	-
Kleencx		_	1	_	_	_	_	_	_	-	_		_	_	-
Lollymix	_	10	_	-	_	_	_	_	_	_	_	_	_	_	_
Loxene shampoo	_	1	1	_	_	_	_	_	_	_	_	_	—	_	1
Metercal	2	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Milk of Magnesia tablets	1	2	2	1	2	2	· 2	2	2	3	3	3	—	2	2
Moorland tablets	_		_	_	2	_		2	2	_		_	_	_	
Mum body spray	1	1	1	2	-4	1	1	1	1	1	_	1	_	-	_
rollettc Nivea cream	2	3	2	_	_	_	_	_	_	_	_	_	_	_	_
Discott	_	2	_	2	_		_	_	_		_	_	_	_	_
Raday both cates	_	3	2	_	3	3	3	3		_	_	_	_	_	_
Pennice	3	3					2	_		_	_		_	_	_
Pinetond montilles	1	3 1	1		. 3	3	2	3	_	3	_	1		3	_
Colvator	1	1	. 1		_		_	_	_	_			_	_	_
Comiton	2	1				_		_	_		_			_	_
Costone	1	3	2				1					_	_	_	_
VOS conditioner			1									_	_	_	
shamnon	_	_		1	2	_	_	_	_	1				_	
spray ,	_	1	1		2	_	_		_	1	_			_	
Get Set	_	1		_		_		_	_	1	_	_	_	_	_
hair spray	_	2	_	3	_	2	_	1	_		_	_	_	_	_

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," May 1 For eau de Cologne, hair perfunie, bath essence, dusting powder and talcum powder, all being non-medicated toilet preparations for sale in England, Scotland and Wales (3)

NUMERO CINQ DE MOLYNEUX, B814,042, by Les Parfums de Molyneux (S.A.R.L.), Paris, France.

For preparations and substances for laundry use; cleaning, polishing, scouring and abrasive preparations; soaps; perfumes, non-medicated toilet pre-parations; essential oils, cosmetics, hair lotions; and dentifrices; all the aforesaid goods being sold in containers adapted to dispense their contents in aerosol form (3)

SPRAYMATES, B837,341, by E. R. Howard, Ltd., Ipswich, Suffolk.

For toilet water and talcum powder, all being non-medicated toilet preparations for sale in

England, Scotland and Wales (3)
CHIC DE MOLYNEUX, B814,043, by Les
Parfums de Molyneux (S.A.R.L.), Paris,

For perfumes, toilet preparations (non-medicated), cosmetic preparatious, dentifrices, toilet articles (not included in other classes), soaps and essential

FLYING COLOURS, B838,766, by Romney Cosmetics, Ltd., London, S.W.1,

For preparations for the hair and non-medicated

toilet preparations for the skin (3)
PALALIN, 840,027, by C. H. Bochringer Sohn, Ingelheim on Rhine, Germany.

For perfumes, cosmetics, non-medicated toilet preparations, toilet soap and preparations for the teeth and hair (3)

SLIXENE, 842,775, by S. Hunton, Ltd., Burnley, Lancs.

For perfumes, non-medicated toilet preparations. cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, shampoos, soaps and essential oils (3)

TOP FORM, B841,508, by Ashe Laboratories, Ltd., Leatherhead, Surrey. SPRING SONG, 842,973, by Cussons Sons & Co., Ltd., Manchester, 7.

For lotions being non-medicated toilet preparations, toilet soaps, cosmetic preparations; preparations for the hair, and sachets for use in waving the hair (3)
QUALITON, 842,814, by Indola, N.V., Rijs-

wijk, Netherlands,

For detergents (not for use in industrial and manufacturing processes) (3)
DET-IZOR, 844,312, by Kirk Soap Makers,

Ltd., Coatbridge, Lanarks.

For nutritive preparations containing aminoacids or their derivatives, for use as children's and invalids' foods (5)
AMINOSOL-VITRUM, 710,398, by Apoteks-

varucentralen Vitrum Apotekare A.B., Stockholm, Sweden.

For pharmaceutical preparations for use in the inhibition and relief of diseases in fish (5)

RECTO, 832,275, by Spratt's Patent, Ltd., London, E.3.

For pharmacentical, veterinary and sanitary substances; disinfectants; preparations for killing weeds and destroying vermin (5)

FISONS, 821,427, by Fisons, Ltd., Felixstowe,

For medicated preparations for treatment of the skin, scalp and teeth (5)

Device, 833,209, by Bear Brand, Ltd., Liver-

For all goods (5)

or all goods (5)
ALLOFERIN, 834,917, FORTRIUM, 838,057, by Roche Products, Ltd., Welwyn Garden City, Herts, PARILADY, 840,032, by C, H. Boehringer Sohn, Ingelheim on Rhine, Germany, ROXILON, 842,068, by Ormonoterapia Richter, S.p.A., Milan, Italy.

For pharmaceutical preparations for cleaning the

KEROCLEANSE, 837,051, by Scientific Pharmacals, Ltd. London, N.1.

For preparations for combating plant disease; preparations for killing weeds and destroying ver-min; insecticides, pesticides, and fungicides (5) ETROFOL, 839,151, by Farbenfabriken Bayer, A.G., Leverkusen, Germany,

For veterinary preparations (5)
L1MPETS, 821,100, by Chas, Pfizer & Co.,
Inc., Brooklyn, New York, U.S.A.

For pharmaceutical products and preparations, all for use in relaxing muscular tension; and laxatives (5)

LAXONALIN, 840,030, LAXOBERON, 840,054, by C. H. Boehringer Sohn, Ingelheim

on Rhine, Germany.
For pharmaceutical preparations and substances for use in the treatment of the skin (5)

STEPALEEN, 840,852, by Basoderm Dermatologische und Pharmazeutische Spezialprapar-G.m.b.H., Biberach on the Riss, Germany. For pharmaceutical and veterinary preparations, all containing amides (5)
VANAMID, 840,858, by Pfizer, Ltd., Sand-

wich, Kent,

For pharmacentical preparations for the treatment

of rheumatism and the like ailments (5)
Device with words and letter, ROOT, A
CUPAL PRODUCT, C, B841,179, by Cupal,

Ltd., Blackburn, Lancs.
For infants' and invalids' foods (5)

HOL-GRAN, B841,492, by English Grains Co., Ltd., Burton-on-Trent.

For pharmaceutical, veterinary and sanitary substauces (5)

TETRAMAGNA, 841,689, by Fraser Chemicals, Ltd., London, S.E.13.

For pharmaceutical preparations for human use (5) PANANA, 842,050, by William John Gracey, Belfast, Northern Ireland,

For pharmaceutical preparations and substances

LUDIOMIL, 842,336, by CIBA, Ltd., Basle, Switzerland,

For vasoconstrictors for use in ophthalmic solutions (5)

VASOCON-A, 843,356, by Smith, Miller & Patch, Ltd., London, E.C.1.

For photographic preparations in tablet form being vascular protectives and lipotropic agents (5) VASCUTUM, 844,280, by Riker Laboratories, Inc., Northridge, California, U.S.A.

For pharmaceutical preparations and substances for human and veterinary use (5)

PALIFERTAL, 844,809, by CIBA, Ltd., Basle, Switzerland

For optical instruments and parts; photographic and cinematographic apparatus, etc. (9)
COSMEGAT, 835,788, by Jenoptik Jena,

G.m.b.H., Jena, Germany, or photographic and photomechanical instruments and apparatus and ntensils for use therewith; photo-copying and photo-reproducing instruments and apparatus; photomechanical printing machines and apparatus, and developing machines and apparatus for use therewith; and parts and fittings (9)

TOPAJET, 837.220, by Ozalid Co., Ltd., Loughton, Essex.

For thermometers (9) THERMOGARDE, 841,376, by Light Laboratories, Brighton, Sussex.

For photographic apparatus and instruments, projection apparatus for photographic and cinematographic use, film viewers and film editors, and

parts (9)
EDIMASTER, 843,791, EDIPET, 843,793, by Hanimex (U.K.), Ltd., London, S.E.1,

For hair curlers for attachment to the hair, plaited hair, hair nets, hair pads, hair pins and hair supports; and hair fasteners, hair buckles and hair ornaments, none being of precious metal or coated

therewith (26) SOFSPIN, 842,717, by Gillette Co., Boston, Massachusetts, U.S.A.

From the "Trade Marks Journal," May 8

For all goods (1)
VER1LITH, 844,100, by Kodak, Ltd., London, W.C.2.

For cleaning, polishing, scouring and abrasive

preparations; soaps (3)
MARKEM, B812,057, by Markem Machine Co., Kecne, New Hampshire, U.S.A.

For cosmetics (3)

Device with word CHATTON, 834,829, by Paul Léon Jean Marie Darrien, Brussels, Belgium.

For all goods (3)

Device with word SPAR, 831,778, by Spar (Britain), Ltd., Harrow, Middlesex, SHEIK, 844,988, by Elizabeth Arden, Ltd., London,

PATENTS

From the "Official Journal (Patents)," May 1

From the "Official Journal (Patents)," May 1 Monoazo dyes containing 3-chlorotetrahydrofuryl-(2)-oxy groups and their manufacture and use, Badische Anilin-& Soda-Fabrik, A.G. 928,675. Process for the production of thiophosphonic acid

esters and ester amides, Farbonfabriken Bayer, A.G. 928,611.

Phosphoric, phosphonic and phosphinic acid esters and the thio analogues thereof, Farbenfabriken Bayer, A.G. 928,704.

Means for stimulating the flow of fluids in animal bodies. Jobst Institute, Inc. 928,362.

Hardening gelatinous layers, Kodak, Ltd. 928,591. Camera rangefinders, National Research Development Corporation, 928,643,

Ltd, 928,390. Photographic reproduction. Kodak,

Light sensitive silver halide emulsions. Kodak. Ltd. 928,261.

Photographic developers, Ilford, Ltd. 928,671. Colour photography, Ilford, Ltd. 928,658, Process for the preparation of 4-hydroxy-3-keto-

△4-steroids, Soc. Farmaceutici Italia, 928,714. Phosphours-containing mixed organic acid an-hydrodes and the production of phosphourscontaining amido-compounds therefrom. Fisons Pest Control, Ltd. 928,303.

Farbenfabriken Quinoxalines. Bayer, 928,494.

British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from June 12.

From the "Official Journal (Patents)," May 8

Steroids and their production, Philips' Gloeilampenfabriken, N.V. 929,271-79.

Combined poliomyelitis-diphtheria-tetanus-pertussis antigen and methods for its manufacture. Merck & Co., Inc. 928,807.

Brit'sh patent specifications relating to the above will be obtained (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from June 19.

CONTEMPORARY **THEMES**

Subjects of contributions in current medical and technical periodicals

MALNUTRITION AND DISEASE, Chron, Wld. Hlth, Org., May.

CANCER CONTROL, Chron, Wld, Hlth, Org., May. Apparatus for continuous infusion chemotherapy, Brit, med. J., May 4.

CALCIUM in fibrin formation. Rôle of. Nature, May 4.

ANTHELMINTIC FIELD TRIALS in sheep 1-a comparison of haloxon and phenothiazine in hogs. Vet. Rec., May 4.

Duphafral D,3-1000. Report on a clinical trial

of, for the prevention of hypocalcæmia in dairy cows. Vet. Rec., May 4.

I-(I-PHENYLCYCLOHEXYL) PIPERIDINE HCL in avian anæsthesia, Vet. Rec., May 4. WHITE LOTION, A study of, Amer, J. hosp.

Pharm., March.
ANTIHISTAMINES. The anæsthetic properties of.
Amer. J. hosp. Pharm., March.
Diseases of the arteries. Discovery, May.

PERNICIOUS ANAMIA refractory to intrinsic factor, Oral treatment of, Lancet, May 11.7

OCULAR ANOMALIES in association with developmental limb abnormalities of drug origin. Lancet, May 11.

Insulation of infusion bottles, Lancet, May 11.

SULPHONAMIDES, Use of, Lancet, May 11, Disinfection of hands: removal of resident bacteria, Brit. med, J., May 11.

NITROGEN MUSTARD therapy with aortic occlusion in nasopharyngeal carcinoma, Brit, med, J.,

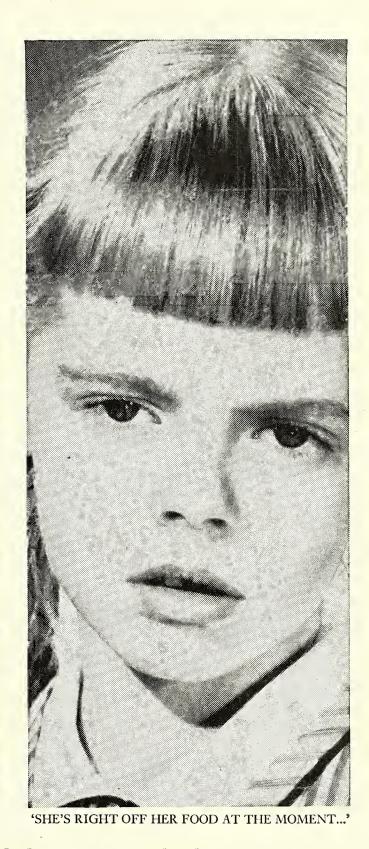
May 11. LEAD POISONING. Treatment of, with oral peni-cillamine, Brit. med. J., May 11.

METHYSERGIDE in treatment of vascular headaches of migraine type, J. Amer. med. Ass., April 13.

BENZQUINAMIDE, J. Amer. med. Ass., April 27. BLOOD PRESERVATIVE and anticoagulant for inorganic phosphate and other determinations. Vet, Rec., May 11.



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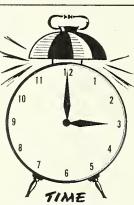
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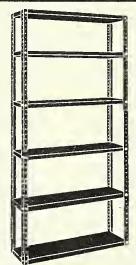
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71" high × 34" wide, 12" deep with 6 shelves as illustrated. C.W.O. or C.O.D.

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Height 71" 71" 71" 71" 85"	Width 34" 34" 33½" 34" 42"	Depth 9" 12" 15" 18" 12"	No. of Shelves 6 6 6 6	Price 58/- 60/- 69/- 81/- 68/-	Price each 3 or more 56/- 58/- 67/- 79/- 66/- 84/-	Extra Shelves 7/- 8/- 9/6 11/6 8/- 11/-
85"	42"	12"	6	86/-	84/-	11/-

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42" hígh, 13" wíde, 12"
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Stove enamelled dark
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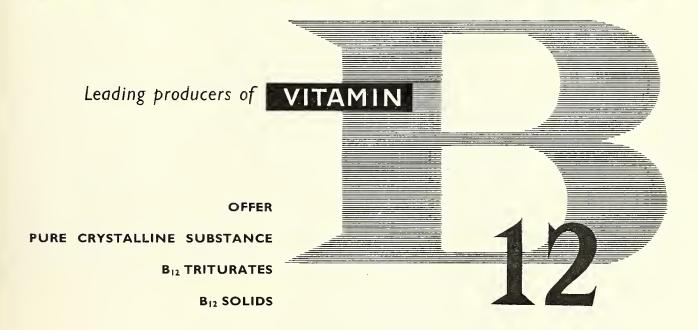
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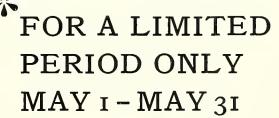
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17 million women will see Color-Match advertising this year

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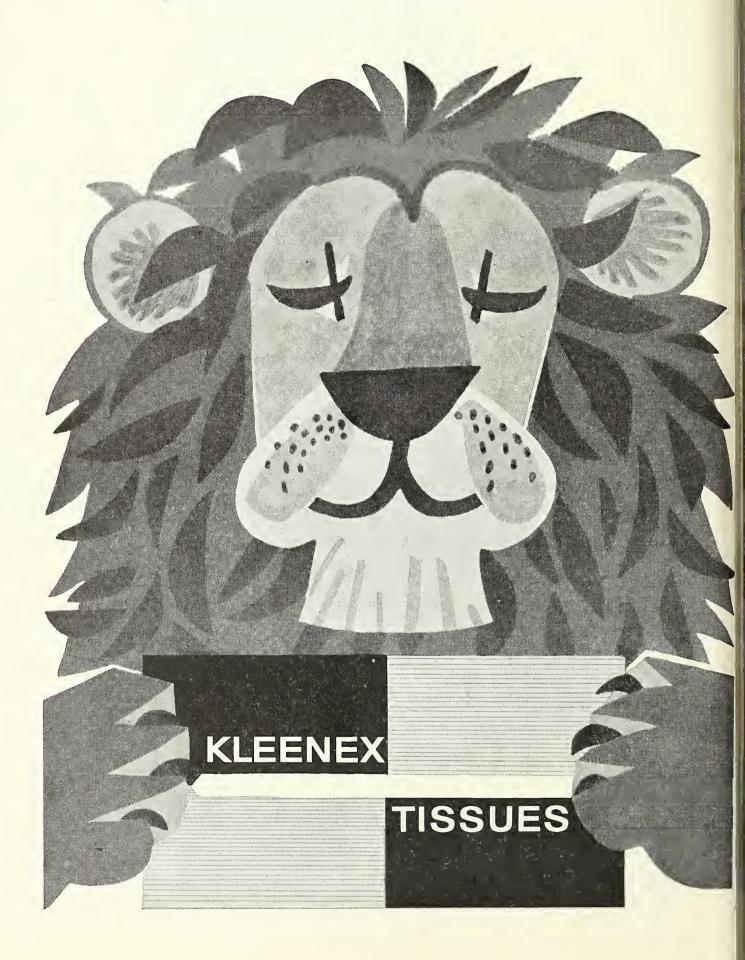
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15

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NIVEA know that WOMAN and WOMAN'S REALM are psychologically the ideal media for selling women's products to women.

*Source: Institute of Practitioners in Advertising Survey (Jan.-Dec., 1962)



One drink attracts all these customers

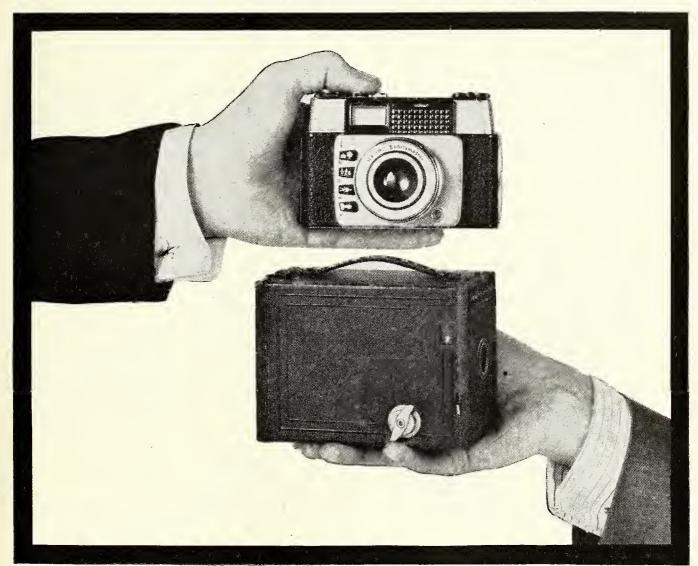
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On 27th of May big half page advertising support breaks. Your customers' old cameras can be exchanged for new Ilford cameras for as much as £2 discount! Ilford will carry all the costs of this scheme to bring BIG CAMERA BUSINESS to your shop. This offer closes on 31st July. So display the special window streamer! Have the special leaflet handy! Make sure you're stocked up with Ilford cameras!

TODAY'S LEADER IN PHOTOGRAPHY [LFORD naturally!

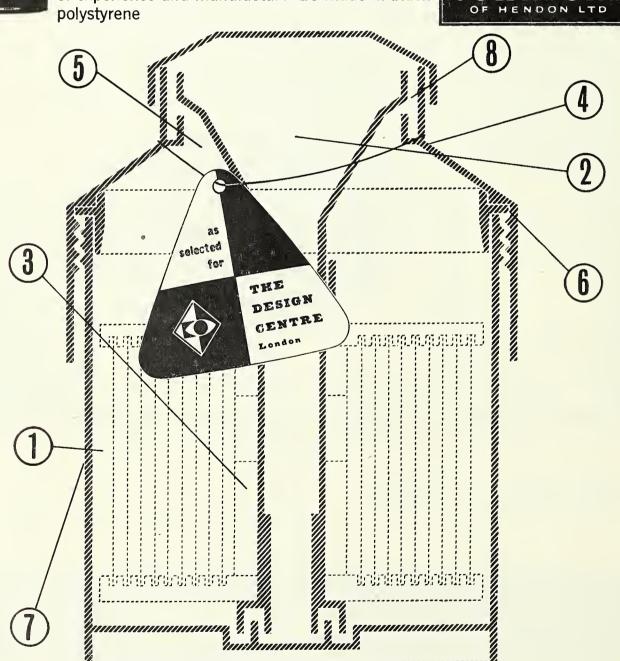
THE TOP-DESIGNED DEVELOPING TANK STEE ALL-NEW JOHNSON UNIVERSAL

designed by practical photographers to do a better job



1 easy to load with roto feed device 2 large filling funnel 3 takes 4 sizes of film—120/620, 127, 35 and 16 mm; takes two at a time of 120 or 127 4 lid easy to replace in dark 5 empties easily, cleanly and rapidly 6 leak-proof with screw-on lid 7 ribbed to prevent slipping from wet hands 8 novel system of light trapping eliminates "spluttering" 9 design based on years

eliminates "spluttering" 9 design based on years of experience and manufacture 10 made in black polystyrene





COATS SHIRTS RADIO &TA

ELECTRIC
ITEMISING
CASH REGISTER
FROM



PRICE

£124

H.P. TERMS AVAILABLE

Automatically added receipt.

Speed with simplicity. 10 years' guarantee.

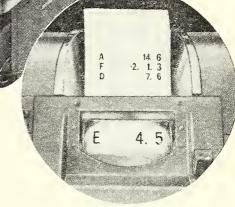
Total locking device.

Ensures customer's satisfaction.

Fully guaranteed service available throughout the U.K. by factory-trained, skilled service engineers. Easily and quickly converted to decimalisation.

- Printed grand total of days' takings.
- First class after sales service.
- Ease of recording credit sales.

Model S659Z/B



'EASI-VIEW' ILLUMINATED REGISTRATION

ensures accurate reading of items, easy checking and less eye fatigue.



TO THE REGNA CASH REGISTER CO.

Hillgate House, 26 Old Bailey, London E.C.4. Tel.: CITy 6912/6 Please arrange for me to see a demonstration of the sensational *ECONOMISER' and/or post further details of this and other models.

NAME

ADDRESS

BUSINESS

В.5.

Cut shop-fitting costs with



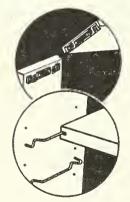
Remploy

Patent No. 641839



SHELVING

KNOWN THROUGHOUT THE WORLD



Easy to assemble Strong fully interlocking bars fit neatly into one another, securely holding top, bottom and centre shelf to uprights. Shelves simple to adjust Special spring clips plug into uprights of Remploy-Lundia Shelves at $\frac{3}{4}$ inch intervals. The shelves, grooved at both ends, slide along the clips, completely concealing them. Shelf grooves do not show from front view.

NO OUTSIDE LABOUR NEEDED TO ASSEMBLE

Fitting or refitting your shop with Remploy-Lundia prefabricated shelving saves you money. It needs no outside labour to assemble . . . it costs far less than custom-built installations . . . and it is remarkably adaptable.

Because of the comprehensive range of sizes, Remploy-Lundia Shelving can fit into any given wall space to within 6 inches. Each shelf is adjustable—can be moved up or down at intervals of $\frac{3}{4}$ inch.

Any combination of widths can be joined together, and extension bays are easily added to existing Remploy-Lundia units.

Made from polished hardwood in natural finish, Remploy-Lundía Shelving is smart looking as well as practical. Remploy-Lundía can cost as little as 70/- per foot by 6ft. high.

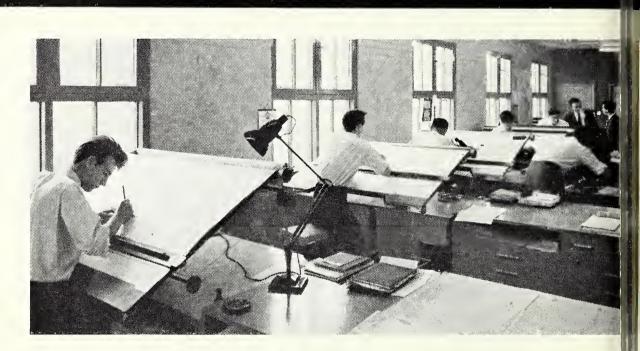
Fill in coupon today for full details of Remploy-Lundia Shelving

TO: REMPLOY LIMITED, Remploy House, (Dept. C.D.15) 415 Edgware Road, N.W.2.	
Please send me full details of Remploy-Lundía Shelving	Tel: GLA. 8020
NAME	
ADDRESS	
Landon Chaussan 17 Paulon Ct. W. L. Tale MAYGin 4001/2	· · · · · · · · · · · · · · · · · · ·

This is the Vi-Daylin moment. It comes once a day and there is absolutely no mistaking how children feel about it. It is a treat that becomes a habit. A habit that assures at the at that becomes a habit ages love Vi-Daylin cepted dosage. Yes children of all ages love



a new service and new equal more prosperous



The FREE planning service.

Realising the urgent need for more efficient selling in Retail Pharmacies. two well-known Companies have combined their experience and 'know' to offer a free shop planning service based on the new "PROFIT" un shop fitting system. Jointly organised by Bradley & Bliss Ltd., and Chur & Co. (Fittings) Ltd., this will bring profitable shopfitting within reach every Pharmacy in the Country.



INFORMATION

and fully illustrated catalogue available on requ

BRADLEY & BLISS LTI

Kings Road, Reading, Berks.

Telephone: 558

Branches:

St. Leonards-on-Sea. Tel: Hastings 6602

Sandwich. Tel: Sandwich 3335 Croydon. Tel: MUNicipal 2500

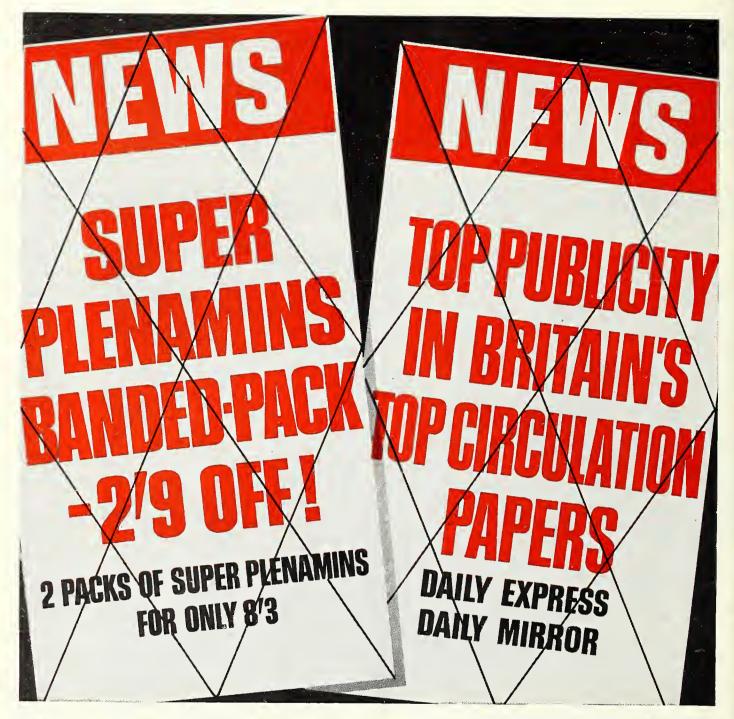
tail pharmacy...





IURCH & CO. (Fittings) LTD.
South Street, Reading. Tel: 51255 (4 lines)
ttish Office & Showrooms: 3, Miller Street, Argyle Street,
sgow, C.1 Telephone: CENtral 6029.

Designed for efficient open-plan selling, completely interchangeable and reasonably priced: PROFIT modular shopfitting units are complete in themselves but can be added to and the components changed round when necessary. Advice is free, plans and quotations are without obligation.



GOOD NEWS FOR YOU AND YOUR CUSTOMERS:

They can buy one, get one half price. 2 packs of Super Plenamins for 8/3 compared with the normal 11/-. A saving of 2/9 for one month's supply.

And the GOOD NEWS for you: Big full column publicity throughout May and June in the Daily Express and Daily Mirror. Over 18 million opportunities to read all about it. Display Super Plenamins on counters, in windows; recommend them.

You can buy this special banded parcel. Send now! 12 x SPECIAL PACK 8/3

2x17/-

12 x 5/6 $6 \times 9/6$ 3 x 17/- _

OR EQUIVALENT





THEY ARE A REXALL HIGH-PROFIT, CHEMISTS-ONLY PRODUCT



We are pleased to announce generous summer bonus terms for 'Tyrozets' Throat Lozenges. Remember that the demand for 'Tyrozets' is brisk throughout the year. Ensure an adequate stock now, at these favourable terms:

Parcels of 6 dozen tubes (normally invoiced at £6 0s. 0d.), £5 5s. 0d. Larger quantities pro rata.

Any number of parcels may be ordered.*

Strictly limited period · 17 days only · May 15th to 31st 'TYROZETS' Throat Lozenges

Tyrothricin 1 mg., benzocaine 5 mg. Retail price 2s. 6d. per vial of 12 (exempt p.t.). Supplied in counter display boxes of 12 vials.

* Order direct from:



MERCK SHARP & DOHME LIMITED, HODDESDON, HERTS (Hoddesdon 4511)



 $`the\ loveliest\ blondes$ are $L'OREAL\ bleached'$

Nearly all young would-be-blondes read magazines like WOMAN, WOMAN'S OWN, WOMAN'S MIRROR and HONEY.

This advertising will make them buy and keep them buying. Make sure they buy in your shop—the gay new pack is designed to get maximum attention on your shelves and counters. Display this unit holding 6 cartons and also the attractive full colour showcard.



GOLDEN LIMITED

Berkeley Square House, Berkeley Square, London W1 Mayfair 8240

Republic of Ireland enquiries to Lilmar Pharmacouticals Limited, Santry, Dublin

CUSTOMERS C D A C GEDVAUNUA(CED

Varicose Veins, tired aching legs? Always give your customers a Lastonet measurement form. All Lastonet elastic net stockings are made to measure, thus by giving them a measurement form you are ensuring that their legs will receive cool comforting, EVEN support, so essential to these conditions.

RECOMMEND



SURGICAL HOSIERY

Lastonet elastic net stockings are available within 3-5 days on receipt of your order and are supplied under the N.H.S.

INCORPORATING BRITISH ** REGD. TRADE MARK BRITISH

Display your stocks of all FLIT PRODUCTS

to meet the demand these ½ page advertisements will bring from the 13,000,000 readers of the

DAILY EXPRESS



PRINTAR INDUSTRIES LTD., BRETTENHAM HOUSE, LANCASTER PLACE, LONDON W.C.2 TEL: TEMPLE BAR 5801 SOLE DISTRIBUTORS IN THE UNITED KINGDOM OF FLIT AND OTHER ESSO SPECIALITY DEPARTMENT PRODUCTS

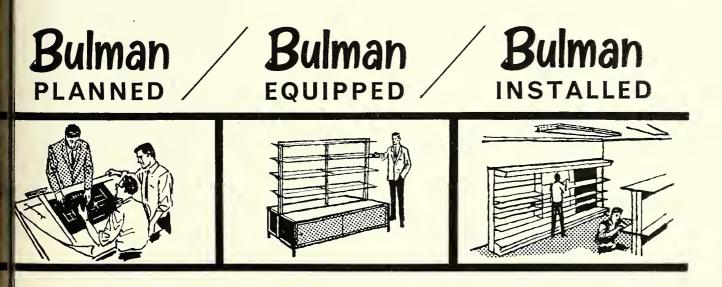


Store Planning Engineers

our shop for selling

Let air into your shop layout and more goods go out of the door leaving more profit behind in the till! This is what happens from the moment you make your many non-pharmaceutical lines accessible to your customers for self-selection. And here's how you do it—call in Bulman to advise and provide a plan to meet your precise needs. Bulman free standing self-selection units are standard equipment. Other units—for accommodating ethical products, prescription service, beauty preparations, photo equipment, and other serviced items—include designs specially made for the Chemist's shop.

The secret of it all is in Bulmans knowledge and experience of shop planning for efficient merchandising in every branch of retail selling. It's all yours—to make your business more pleasurable and more profitable. Write for full details to the address below.



TORE EQUIPMENT) LIMITED

PROMENADE CHELTENHAM GLOUCESTERSHIRE Phone: Cheltenham 52649

Now

litapointe

-another leading advertiserpicks the DAILY MAIL to head a great new sales campaign!

Vitapointe of Paris, the specialists in hair-care products, selects the Daily Mail to spearhead a great new advertising campaign. Not surprising! For the Daily Mail's ever-increasing influence in the world of fashion and cosmetics brings a swift and proved response from women everywhere.



The Duchess of Bedford in the private drawing room at Woburn Abbey, well-known Stately Home of the Dukes of Bedfo

Vitapointe gives the Duchess of Bedford shining elegant hair

The Duchess of Bedford, with her charming personality, is well aware that only naturally beautiful hair is a woman's crowning glory. That is why the Duchess of Bedford has used Vitapointe every day for years. The Duchess knows that Vitapointe not only beautifies the hair, but conditions it to shining health.

You too, should use Vitapointe. It gives your hair radiance and well-groomed natural beauty in only one minute. Vitapointe is an easy-to-use-anywhere cream, which needs neither shampoo anywhere cream, which needs netther shampoo nor rinse and which puts an end to dryness, frizziness, dullness and split ends. The natural nourishment which Vitapointe contains is wholly absorbed by your hair.

Vitapointe remedies harm done by too much sun, wind, salt water, dry air, even unskilled perming. Vitapointe improves texture, condition and set—and because it is a naturally powiebing.

and set—and because it is a naturally nourishing cream the benefit is lasting. Get a tube today!



for shining, elegant hair beauty in just one minute



Three and a half million of the Daily Mail's seven and a half million readers are women—a high proportion of them in the top-spending income groups. And now they will see another large-space campaign for Vitapointe—featuring the Duchess of Bedford. Look out for Vitapointe—in the Daily Mail—May 23rd.

DAILYMAIL

SELLING FASHION TO THE TREND-SETTERS



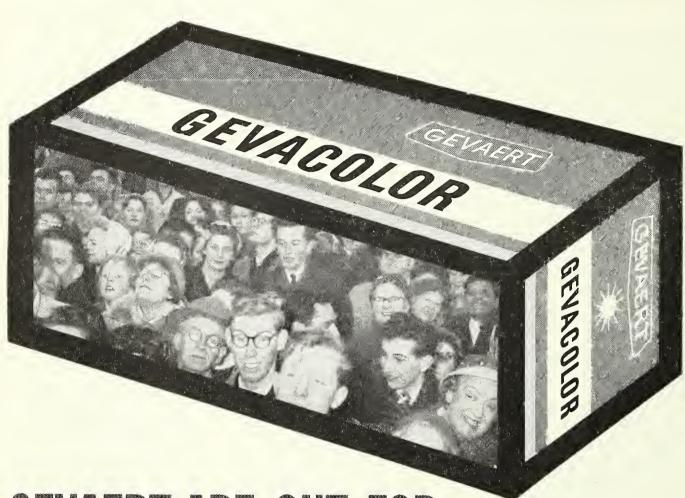
Schick launch the Superspeed!

The strongest story in shaver advertising! And Superspeed lives up to it... with the sharpest shaving head ever put on an electric shaver. It's made from surgical stainless steel! So sharp, just one shave lasts all day. And we're telling your customers!

Big bold national advertising! Nothing but biggestcirculation papers. Daily Mirror. Daily Mail. Daily Express and Daily Telegraph. Plus magazines: Radio Times. TV Times and 4 full-colour pages in Reader's Digest. And a 15-second commercial at peak times in Lancashire and Yorkshire. We're telling 92% of Britain's men! Right through May, June and July... the powerful Superspeed story will be seen by 92% of Britain's men. Each one will see Superspeed's compelling message 18 times!

Tie-in with stopper displays! Stock up now! Are you ready for the big demand? Hard-selling, stopper displays will sell Superspeed in your store. Crowners. Window bills. Full-colour leaflets. Don't lose this big chance. Order now! Stock now! Sell now!

SCHICK INCORPORATED (UK) LTD.
Wisborough Green, Inr. Billingshurst Sussex



GEVAERT ARE OUT FOR A BIG SLICE OF COLOUR FILM SALES



GEVACOLOR IN THE NATIONAL PRESS

Whole page advertisements, showing the retailer recommending Gevacolor Film. Large spaces, featuring top photographer Bert Hardy. And smaller spaces adding weight.



GEVACOLOR IN THE AMATEUR PHOTOGRAPHIC PRESS

In 19 papers and magazines that reach the keen types, many whole page advertisements, often in full colour, will spotlight top photographers, who will all testify to the exceptional qualities of Gevacolor.



GEVACOLOR IN THE CINEMAS

A 60 second film in colour will be shown in over 200 cinemas in leading seaside resorts and in the main cities throughout the country. A striking, memorable message comes across strongly: 'Be an artist with Gevacolor Film'.

SELL GEVACOLOR-JOIN THIS 3 PRONGED BID AND BE ON BETTER TERMS



GEVAERT LIMITED GREAT WEST ROAD BRENTFORD, MIDDLESEX TELEPHONE: ISLEWORTH 2131

()D()·R()·N() STICK DEODORANTS!

Here's an offer to give you even bigger sales of Britain's fastest-moving stick deodorants



During June and July—the peak selling season—a special 3d. off offer will be running for both Odo-Ro-No stick deodorants, Perfumed and Unperfumed.



All special offer Odo-Ro-No sticks are packed in colourful "3d. off" display outers.



You'll make big new sales, and your full cash margin is maintained throughout. (List prices are: 375 Unperfumed Stick, 15s. 4d. doz; 375 N Perfumed Stick, 16s. 6d. doz.)



There will be big response from your customers to this eye-catching Odo-Ro-No offer. So order plenty, while stocks last. Only complete dozens supplied.



RDER NOW...(AND ORDER ENOUGH!)

J. C. GAMBLES & CO. LTD., c/o Chesebrough-Pond's Ltd., Victoria Road, London, N.W.10 or through your usual wholesaler



Europe's most famous Sun Tan Oil is here!

IN 2 HOURS
TANNING STARTS

This nation-wide

AMBRE SOLAIRE

ADVERTISING

will reach millions every week throughout the summer months

* DOMINATING ADVERTISEMENTS IN

Daily Express · Daily Telegraph · Daily Mail Sunday Times · Sunday Observer

More customers are coming your way for



Ambre Solaire Creme Tube

Trade price 40/- per doz. tubes, plus tax. Retail price 5/10 per tube.



Trade price 44/8 per doz. bottles, plus tax. Retail price 6/6 per bottle.



Ambre Solaire Oil Aerosol

Trade price 92/7 per doz. aerosols, plus tax. Retail price 13/6 per aerosol.

Ambre Solaire Mousse Aerosol

Trade price 92/7 per doz. aerosols, plus tax. Retail price 13/6 per aerosol.



Aerosols packed in half dozens only. 6 Mousse, 6 Oil, or 3 Oil & 3 Mousse

AMBRE SOLAIRE

gives the quickest, deepest tan without burning



IN 2 DAYS YOU'RE BRONZED!

NEW! Ambre Soie for home tanning

Here's a new departure in the home tanning field—a creamy mousse in an aerosol. Ambre Soie mousse is far in advance of the conventional home tanning preparations. It spreads easily and evenly to produce a glorious even Riviera tan.

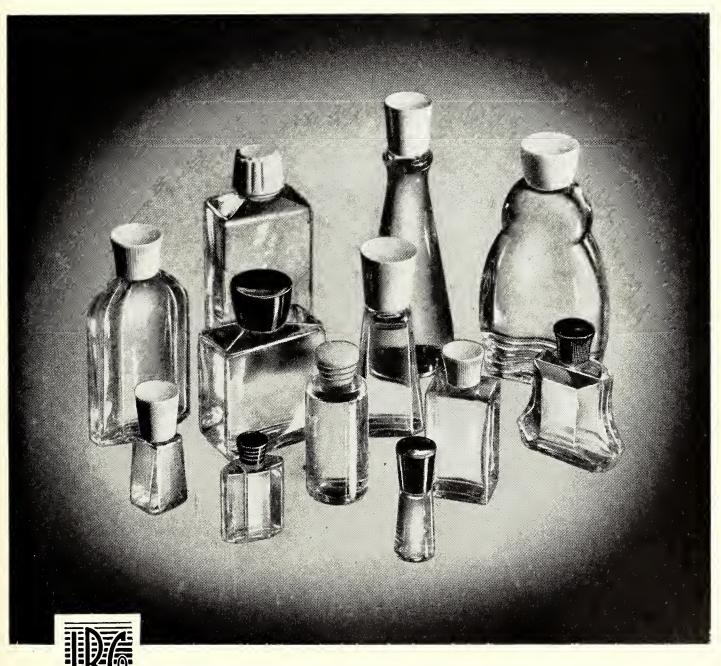
Ambre Soie Trade Price 106/- per doz. aerosols plus tax Home Tan Mousse Retail Price 15/6 per aerosol



It's wonderful Ambre gives to the Riviera beautimen friends, too) that glasmooth, deep suntan, that admires. Famous all along admires. Famous all along and Italian Riviera, Ambre Solaire is now and Italian Riviera, Ambre Solaire. Nothing safely—with Ambre Solaire. Nothing safely—with Ambre Solaire. Nothing safely—with Ambre Solaire. Nothing safely—with Ambre Solaire. Ambre Ambre Solaire.

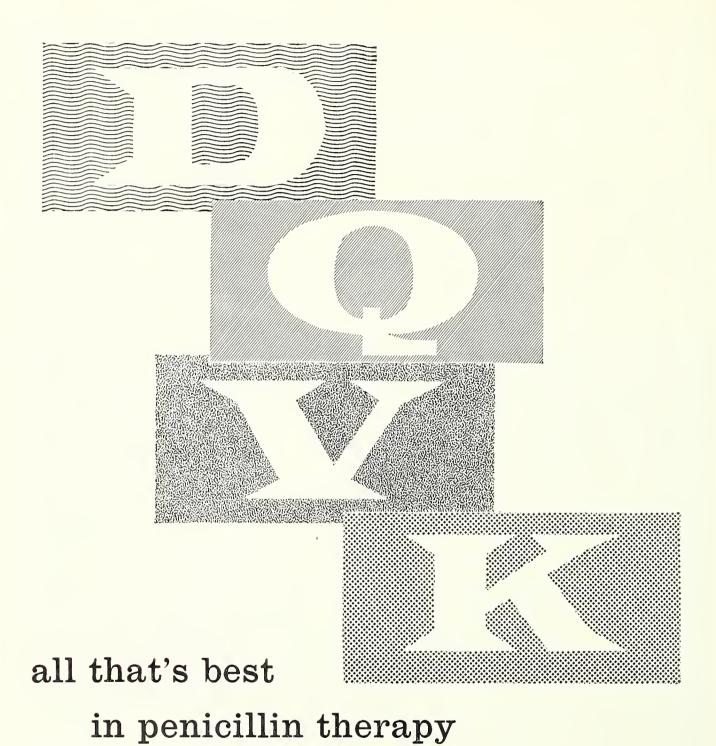
Manufactured and distributed by GOLDEN LIMITED
Berkeley Square House, Berkeley Square, London W1. Mayfair 8240
Ambre Solaire Oil (bottle only) now available in Eire—
Trade Enquiries to: Lilmar Pharmaceuticals Limited, Santry, Dublin

Spotlight your bottles with elegant caps from IBC



THE INTERNATIONAL BOTTLE CO. LTD.

140 PARK LANE · LONDON W1 · TELEPHONE: MAY 6992 (5 LINES) · TELEGRAMS: AUTREFOIS AUDLEY LONDON



'DISTAQUAINE' V-K potassium penicillin V

60 mg. tablets—bottles of 30, 200 & 1000 tablets
125 mg. tablets—foil pack of 12 & bottles of 100, 500 & 1000 tablets
250 mg. tablets—foil pack of 12 & bottles of 100, 500 & 1000 tablets
Ready-prepared Suspension of 125 mg. per 5 ml.—bottle of 60 ml.
Ready-prepared Suspension of 60 mg. per 5 ml.—bottle of 60 ml.

DISTA PRODUCTS LIMITED

Sales Division: Broadway House, The Broadway, Wimbledon, London, S.W.19

Telephone: LIBerty 6600

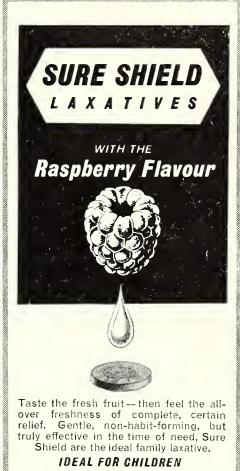
'Distaquaine' is a registered trade mark

PPH 1063

ADVERTISING

Year-round in every issue of Britain's leading family magazines

MY HOME · HOME · HOUSEWIFE · EVERYWOMAN WOMAN & HOME · MOTHER & BABY · PARENTS · MOTHER



Family size: 2/6 Personal pack: 1/31

BEPROFIS



See your representative, or write to: THOS. GUEST & CO. LTD. 92 CARRUTHERS STREET ANCOATS · MANCHESTER 4 SURE SHIELD

PROCESSING

- Agfacolor, Ektachrome, Ferraniacolor, Gevacolor, Ilfocolor, Kodacolor -- we individually process all kinds of film (except process-paid).
- The newest processing and printing apparatus operated by trained technicians with years of experience.
- Giving you careful, first-class work all the time.
- Speedy delivery—on average, reversal films 24 hours, negative films 48-72 hours.
- Backed by efficient courteous service.
- Years of good work for leading photodealers.

INVITATION

Ring or write to Mr. Reece himself for full information.

ABORATORY

BOX 47, CAMBRIDGE



ANALGESICS

For many years we have been engaged in this field of manufacture with the result that we now offer the following, all of which, in their separate ways play an increasing and important part in the alleviation of suffering

ASPIRIN B.P. PARACETAMOL PURE SALICYLAMIDE PURE

> The Symbol of



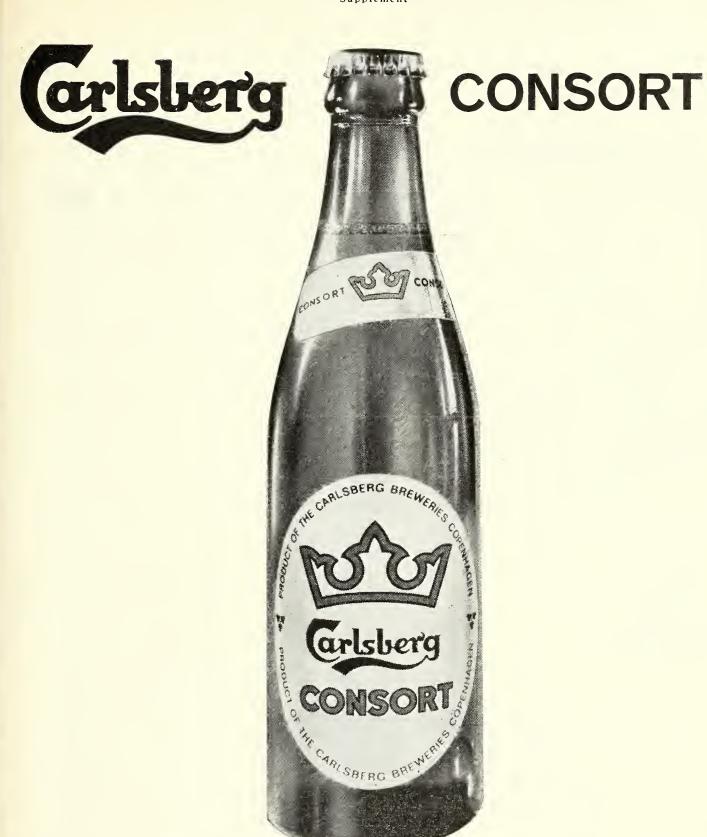
Quality and Service

We would welcome the opportunity of quoting our keenest prices and submitting samples.

GRAESSER SALICYLATES LIMITED SANDYCROFT, NR. CHESTER

Telephone: HAYWARDEN 2125 Telegrams: "QUALITY" CHESTER





the lightest, longest drink of all

supremely suitable for diabetics and the obese no licence required

television advertising begins April

Each ½ pint Bottle contains only 37.5 calories; 2.1% carbohydrate and 1% alcohol by volume

New lower price means higher sales!



ORDER NOW FOR BIGGER PROFITS

PROCESSED BY



BARNETT & FOSTER LTD

Tel: CLIssold 7132 Queensbridge Road, London, E.8.

Head Office and Accounts: Niagara Works, Eagle Wharf Road, London, N.I AP. 421





Specialists in High-Class

Label Reproduction

for Chemists

SUTTLEY & SILVERLOCK

ANDOVER, HANTS TEL. 2234

TANNIC ACID

ALL QUALITIES

THE BRITISH DYEWOOD

Company Limited

19 ST. VINCENT PLACE GLASGOW, C.I

AMBYTHENE

(BRAND OF POLYTHENE)



MEDICINE MEASURES

UNBREAKABLE-ACCURATE

with or without close fitting lids obtainable from usual distributors at 12/1 dozen with lids or 8/9 dozen without lids.

> Wholesaler's supplies obtainable direct from

AMPLEX APPLIANCES (KENT) LTD. I9 DARTMOUTH ROAD, HAYES, BROMLEY, KENT
RAVensbourne (5531)

HARDWOOD **APPLICATORS**

IMMEDIATE DELIVERY FROM LONDON STOCKS

100 Boxes and over 3/2 per box, 50 to 99 boxes 3/6 per box, under 50 boxes 4/- per box Standard pack, 6 gross to box.

TONGUE DEPRESSORS

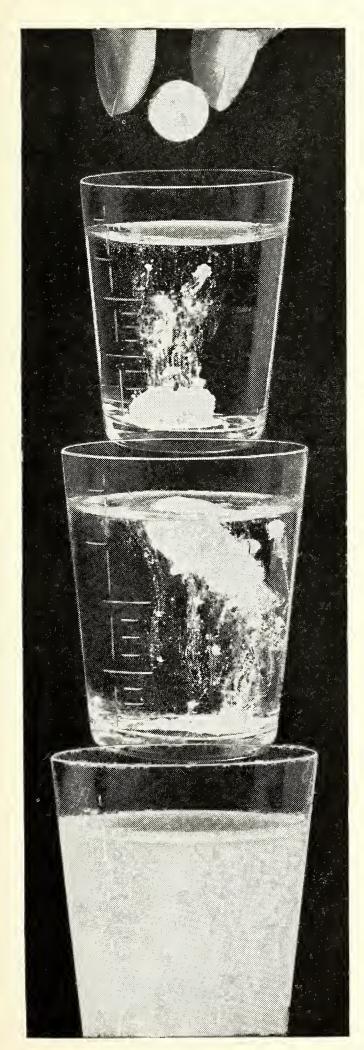
LOWEST PRICES SINCE THE WAR

Size 6 in. × ½ in. × 2 mm, thick. Prime Hardwood perfectly finished Boxed 100's. Minimum order 10,000 Wholesale Houses only supplied

TIMBER & PLASTICS ASHWOOD

Specialists in Veneer & Plywood Products for all Trades

LEVEN ROAD • LONDON, E.14
6343-646! Cables: ASHTIM, LONDON Tel.: EASt 6343-646!



Solprin



NEUTRAL SOLUBLE ASPIRIN

Codis



SOLUBLE ASPIRIN, PHENACETIN AND CODEINE

Cafdis



SOLUBLE ASPIRIN, PHENACETIN AND CAFFEINE

Their place to-day

General acceptance won by Solprin, Codis and Cafdis is due to their aspirin content being soluble and substantially neutral. Consequently, all three are quick acting and are far less likely to upset the stomach.

Medical opinion to-day is overwhelmingly in support of soluble aspirin. This is why doctors prescribe Solprin, Codis or Cafdis, and this is why the chemist dispenses them so often.

RECKITT & SONS LTD.
PHARMACEUTICAL DEPARTMENT, HULL

ANOTHER NOVELTY



I doz. assorted pastel colours in very attractive display carton.

colours in carton. 8/- per doz. +25% P.T. Retail 1/3 only Supplies through the wholesale trade or direct from:

HAETAM LTD 63 CORPO

63 CORPORATION ST. MANCHESTER 4

Phone BLA 3882

ESTABLISHED 1921



ILODERM

a unique self-sterile Ointment that compares with no other in the treatment of:—

- BURNS .
- BEDSORES .
- IMPETIGO •
- NAPKIN RASH
 - DERMATITIS .
- CRACKED NIPPLES .

ask your usual wholesale House for supplies

ILON LABORATORIES

LORNE STREET, HAMILTON, LANARKSHIRE

TELEPHONE CENTRAL 6565

Address Box Number Replies to: THE CHEMIST AND DRUGGIST, 28 ESSEX ST., STRAND, LONDON, W.C.2

APPOINTMENTS — 24/- per ‡" s.c., minimum and pro rata, AGENTS — AUCTION SALES — BUSINESSES FOR SALE and WANTED — CLEARANCES and WANTS — CONTRACTS — MISCELLANEOUS — PATENTS — PARTNERSHIPS — PREMISES — PUBLIC and LEGAL NOTICES — SITUATIONS VACANT, Run-on — 4/- per line (minimum 20/-), Semi-display — 24/- per ‡" s.c. minimum. Displayed with border rule, larger type faces and blocks — 60/- per s.c.i minimum. Reduced rates for one-third, one-half and full pages on application. SITUATIONS WANTED — 6/- per 18 words minimum, then 4d. per word. Use of Box No. — 2/-. Advertisements received by 4 p.m. Tuesday published same week.

PREMISES

BASILDON NEW TOWN, ESSEX

To Let:-New Lock-up Shop within Neighbourhood Centre Parade of 9 Shops, to be conducted as a Pharmacy, serving the Neighbourhood population of 9,000. Living accommodation is available. Applications are invited for a 14-year full repairing lease of this unit, and further details and plan may be obtained by writing

The Estates Officer.

Basildon Development Corporation,

Gifford House,

Basildon, Essex

C 8244

BUSINESSES FOR DISPOSAL

DRUG STORE, main road, Watford Takings over £100 p.w. Modern living accommodation over; 2 bed., 2 rec., kitchen, bathroom, w.c. Let for *ne year at £7 7s, p.w. furnished. Rent £230. Good opening for pharmacy. Price £4,000, plus stock at valuation. Box C 5245.

SMALL BUSINESS

WITH

EXCLUSIVE IMPORTING RIGHTS

FOR SALE

Speciality line selling through perfumery outlets (with secondary sales through haberdashery departments). Already well distributed in the U.K. and now entering the U.S. market. Would suit company wishing to take up slack time of machine or other operatives. Lines require trimming, boxing, etc. Buyer would benefit by continuing national publicity campaign, Box C 8243.

DRUG STORE. Residential district near Margate, Nearest chemist 1½ miles. Modern D.F. lock-up shop, Excellent fittings, Dispensing urgently needed, Large room at rear. Rent £5 inclusive, 13 years' lease, £1,000, s.a.v. Box C 5241.

BUSINESSES WANTED

HERBAL business or drug store, or combined. South or S.-east coast with living accommodation. Reasonable living required. Box C 5246.

MIDLANDS AREA. Drug stores or premises wanted. E. T. Perks, 16 New Street, Dudley, Worcestershire. Dudley 2368, C 5233

APPOINTMENTS

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

Group, 20th May to 28th Sept. inclusive. Salary 19 gns, p.w. Apply to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, London, E.2. C 634

CELL BARNES HOSPITAL, ST. ALBANS, HERTS

Chief Pharmacist
required for this modern hospital for the subnormal. Within easy reach of London and local amenities. Salary scale for Category I Hospital is £855 rising to £1,165 per annum, 3½ weeks annual leave, Application forms from The Group Secretary, Harperbury Hospital, St. Albans, Herts. Closing date 6th June.

C 8246

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

in charge at Mildmay Mission Hospital for holiday relief duty: 17th to 29th June, 1963. Salary £23 2s. per week, Apply to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, London, E.2. C 633

EDGWARE GENERAL HOSPITAL, EDGWARE, MIDDLESEX

Chief Pharmacist (Category V)

Chief Pharmacist (Category V)

Applications are invited from pharmacists for the above appointment. Salary scale £1,185—£1,640 p.a. plus £100 p.a. in respect of Group duties. In addition London Weighting allowance is payable, Whitley Council conditions of service,
Apply in writing, stating age, qualifications, details of experience and the names and addresses of three referees, to the Group Secretary, Hendon Group Hospital Management Committee, Edgware General Hospital, Edgware, Middlesex, within 14 days. C 5251

LEWISHAM HOSPITAL, HIGH STREET, S.E.13

Senior Pharmacist
required, Applications stating age, qualifications and experience, and names of two
referees to Chief Pharmacist. C 636

GENERAL HOSPITAL SOUTHEND-ON-SEA, ESSEX

Dispensing Assistant

Dispensing Assistant

Applications are invited for the post of Dispensing Assistant in the pharmacy at the General Hospital, Southend-on-Sea. The duties will consist substantially of the preparation and compounding of therapeutic agents and the execution of prescriptions. Salary scale £290 per annum at age 18; £320 at 19; £355 at 20; £390 at 21; age 22 and over £440 x £20 (2) x £25 (4)—£580. New entrants aged 21 or under commence at the appropriate age limit. Entrants aged 22 or over commence at the age 22 point. The Hospital have discretion to award not more than two increments on the salary scale in respect of experience in dispensing outside the National Health Service, Applications in writing, stating age, qualifications and experience, to be sent to the Secretary as soon as possible.

GROVE PARK HOSPITAL, LEE, S.E.12

Chief Pharmaclst

Category II, £940 to £1,260 plus London Weighting allowance. two referees to Group Secretary, Lewisham Hospital, High Street, S.E.13. C 632

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Pharmacist

Pharmacist
required at above hospital from May 20th.
Modern department offering good general
experience. Every third Saturday morning off.
Whitley Council salary scale. Applications
in writing, stating age, qualifications and experience, together with the names of two
referees to the Chief Pharmacist. C 8185

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Locum Pharmacist

required from May 13th, Salary £19 19s, per week, Modern department, Every third Saturday morning off, Applications to the Chief Pharmacist (Tel.: STE, 4251). C 8184

LEWISHAM HOSPITAL, **HIGH STREET, S.E.13**

Locum Pharmacist £19 19s. a week, Apply Group C 637 Secretary.

MONYHULL HOSPITAL, KINGS HEATH, BIRMINGHAM, 14

Dispensing Assistant
full-time or part-time. Salary and conditions
as P.T.(B) Whitley Council scale, according
to age and qualifications for 39-hour week
or pro rata, Apply, giving details of experience and qualifications, Secretary, Monyhull
Hospital, Kings Heath, Birmingham, 14,
C 8242

Appointments—Continued

NEASDEN HOSPITAL, BRENTFIELD ROAD, LONDON, N.W.10 (203 beds)

Chief Pharmacist
Category II required, Modern department.
No out-patients, Applications to Group Secretary, Central Middlesex Group H.M.C.,
Acton Lane, London, N.W.10. C 8236

NEASDEN HOSPITAL, BRENTFIELD ROAD, LONDON, N.W.10

Part-time Pharmacist required for modern department, Number of sessions and hours of duty by arrangement, £2 0s. 7d, per four-hour session, Varied programme of duties, No out-patients, Applications to Physician Superintendent, Neasden Hospital, Brentfield Road, London, N.W.10. C 8235

NEWMARKET GENERAL HOSPITAL

Dispensing Assistant for Department in newly built accommoda-tion, Post now vacant. Ideal working conditions, Alternate long weekends. weekends, Preference to applicants with hospital ex-perience, Salary in accordance with Whitley Council scales, Applications to Chief Pharmacist, Newmarket General Hospital, Newmarket. C 8255

NEASDEN HOSPITAL, BRENTFIELD ROAD, LONDON, N.W.10

Locum Tenens Chief Pharmacist
Category II, required from either Monday, 3rd, or Monday, 10 June, 1963, Modern department. No out-patients, Applications to Physician Superintendent. C 8249

ROUNDWAY HOSPITAL,
DEVIZES, WILTS
Pharmacist

Applications are invited for the post of
Pharmacist at the above progressive Psychiatric Hospital where developments are proceeding for extending the existing services,
Salary and conditions of service in accordance with Whitley Council scales within the
range of £725 to £970 p.a.
Apply to the Group Secretary, Roundway
Hospital, Devizes, giving details of qualifications, experience and names and addresses
of two referees, as soon as possible. C 5244

SOUTHMEAD HOSPITAL, BRISTOL (670 beds)

Pharmacist required at Southmead Hospital. This post offers wide experience in modernised depart-

ment.
Applications stating agc, qualifications and experience to be sent to the Group Secretary, Southmead Hospital, Bristol, forthwith.

C 8223

WEST BROMWICH & DISTRICT

H.M.C. (Group 18)

Group Pharmacist

Applications are invited for the post of Group Pharmacist (Male or Female) Category IV. Whitley Council Salary and Conditions of Service apply. The successful applicant will be responsible for the Pharmaceutical Services in the Group.

Applications giving age education qualifica-

Services in the Group.

Applications giving age, education, qualifications and previous experience and two referees to the Group Secretary, West Bromwich & District H.M.C., Edward Street, C 8251 West Bromwich.

SITUATIONS VACANT WHOLESALE

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are a pharmacist perhaps considering medical representation as a career. Why not contact an established, leading ethical house to see what it needs and has to offer?

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have two areas available at present in South-East and East of Greater London. Initial salary is based on age and experience and thorough preliminary training is given. Subsequent adjustments recognise initiative and ability. A Company car is provided and a generous pension/life assurance plan is operated.

Write with brief details of personal history to:

South-East London: Mr. R. K. Newman, M.P.S. (Jam.),

Merrydale, London Road, West Malling,

nr. Maidstone, Kent.

Mr. W. H. Whitaker, B.Sc., F.P.S., East London:

Area Manager, Saxons Green, Camp Road, Gerrards Cross, Bucks.

C 8247



ORGANON LABORATORIES LIMITED

Newhouse, Lanarkshire, Scotland

invite applications from male pharmacy graduates for engagement as

PHARMACEUTICAL PRODUCTION MANAGER

The appointment carries responsibility, with other graduate assistance, for a wide range of pharmaceutical production activities to the pre-packing stage including tableting and aseptic filling. Applicants should be not more than 40 years of age and should have had at least three years' previous pharmaceutical manufacturing experience preferably of a general nature.

The salary will be commensurate with the responsibility of the position and will be progressive. Working conditions are excellent; there is a contributory pension and free life assurance scheme. 1963 summer holiday arrangements will be honoured.

Applications in writing should be addressed to the Personnel Applications in writing should be addressed to addressed of Officer and should give full details of qualifications and experience.

C 8241

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MILES LABORATORIES LIMITED

invite applications from

PHARMACISTS AND CHEMISTS

for position in

NEW PRODUCT DEVELOPMENT

Two vacancies are available: —

- 1. Concerned mainly with the development of appropriate assay methods for new products. Preference will be given to candidates with analytical experience.
- 2. Concerned mainly with the development of new product formulations from bench scale to production scale. Candidates with experience are preferred though recently qualified pharmacists will also be considered.

The above appointments represent additions to existing staff. Five day week, Pension and Life Assurance Scheme, excellent conditions of work.

> Please apply: - Personnel Manager, MILES LABORATORIES, LIMITED, Western Avenue, **Bridgend Industrial Estate,** Glamorgan.

C 8237

Appointments—Continued

ROYAL EYE HOSPITAL. ST. GEORGE'S CIRCUS, LONDON, S.E.1 Qualified Dispensing Assistant

required. Applications in writing to Hospital Secretary. C 8256

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CHEMIST COUNTER ASSISTANTS: Ladies required for London, E.C.1 and N.I. Highest salary paid in exchange for experience and loyalty. Apply in writing: Managing Director, Kendale Chemists, 51 Exmouth Market, E.C.1. LOCUM. Pharmacist required for periods July 8 to 13 and September 2 to 14. Apply to Personnel Manager, Fine Fare, Ltd., Gate House, Fretherne Road, Welwyn Garden City, Herts, or telephone Welwyn Garden 28140.

C 5250

OLDHAM, LANCS. Pharmacist, lady or gentleman, required to manage established business in suburban district. Adequate staff, reasonable salary, and opportunity to share in the business to suitable person.—Apply 265 Ripponden Road, Oldham, Lancs. Telephone MAIn 2410, or MAIn 3189 after 8 p.m.

C 5252

PHARMACY BRANCH MANAGER A Branch Manager is required for the Pharmacy Section of modern Store, total emoluments £1,300 per annum, superannuated position, Applications in writing giving details of age, experience, etc., to the Per-sonnel Manager, Co-operative, 110 Fratton Road, Portsmouth. C 5219

WARRICK BROTHERS, LIMITED, makers of Rinstead Pastilles, require a representative to call on retail chemists in the whole of Wales and the Wirral, Experience of this trade essential, Good salary and company car, All expenses paid, Full details of past career, age and salary to Managing Director, Warrick Brothers, Ltd., 24 Wharf Road, London, N.1. C 8253

WHOLESALE '

ASSEMBLER for drugs and medicals for hospital orders, Some experience and know-ledge of drugs an advantage, Good salary and conditions. Apply: Biorex Labs. Ltd., 47/51 Exmouth Market, E.C.1, TER, 9494.

EXPERIENCED REPRESENTATIVES quired to call on chemists with fast-repeating lines, Salary, commission and expenses. Reply, in confidence, giving details of previous experience to Box C 5234.

MIDLANDS, Old-established cosmetic house requires representative.
Commission terms only, Excellent prospects, Write N. S. M., 9 Tatton
Color Cheshire. C 5249

EXPERIENCED UNQUALIFIED for senior wholesaler's in North Wales. Excellent prospects for young man age 25-35 years not afraid of responsibility and hard work. Congenial surroundings, 42-hour week, half-day Saturday, pension scheme. Please apply giving full details in confidence to Box C 8240.

REPRESENTATIVES REQUIRED

Based on the undermentioned areas:

South London Birmingham Liverpool

If you comply with the following requirements please let us hear from

- Good connections with Whole-sale and Retail Chemists on the area.
- (2) Enough confidence in selling ability to prefer bulk of earnings by way of commission.
 (3) Ambition to earn at least £1,500 per annum within two years.
 Car and out of pocket expenses provided.

vided. Sales Manager, Box C 5240,

Situations Vacant—Continued

RESEARCH ASSISTANT for work in the bio-chemistry of natural products. Applicants should have passed advanced level in appropriate science subjects or equivalent. Experience in bio-chemical techniques would be an advantage. Experimental station is situated near Tadworth, Surrey. Applications to Personnel Manager, Vitamins, Ltd., Upper Mall, W.6.

TABLET COATER

Experienced tablet coater required by Wright Layman & Umney, Ltd., for expanding department, Good salary and working conditions; canteen service; pensions fund; 42-hour, 5-day week, Apply with full details of previous experience to:—

experience to:

Works Manager, 66/76 Park Street, Southwark, S.E.1.

C 5215

TABLET MANAGER REQUIRED to lead a steadily developing department. This is an interesting, progressive and well-remunerated position for an experienced man, preferably a pharmacist. Pension and life assurance scheme in operation. Apply, Works Director, Ayrton, Saunders & Co. Ltd., 34 Hanover Street, Liverpool, 1. C8222

WHOLESALE CHEMISTS, Newcastle upon Tyne, require a male assistant for ethical proprietary department. Applications will be considered from a pharmac.st or an unqualified assistant with experience in this branch of the trade. Apply to Box C 5235.

SITUATIONS WANTED

CHEMIST, experienced in all branches of pharmacy, requires position retail, home or overseas, Box C 5247.

SENIOR TECHNICAL EXECUTIVE, M.Sc., A.R.I.C., eighteen years' laboratory and factory management in pharmaceuticals, toilets and cosmetics, offers services where mature experience with up-to-date approach would be appreciated. Location immaterial. Box C 5248.

AGENTS

AGENTS, wholesale connections required to cover North England, Scotland, Ireland, Eire, for medium high-class toilet bags, hair dressers' sundries. Idoplas, Ltd., Magnet Hall, Brentview Road, Hendon, N.W.9. HENdon 6604.

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OLD-ESTABLISHED Dublin company shortly moving to new factory and warehouse premises, are interested to hear from U.K. firms who wish to manufacture and/or market their products to chemists or grocers. Box C 5119.

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C 592

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Park 3137-8.

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"LEMISTON" 4-TRANSISTOR HEARING AIDS, Size $2\frac{1}{2}$ x $1\frac{1}{4}$ inches. Ever-Ready battery, medium and small size eartip plugs, spare battery complete in lined presentation case. Single sets sold, minimum wholesale prices. Enquiries to: Thirlmere Laboratories, 46 Thurston Road, Liverpool, 4. C 5242

MANLY MAN'S BELT, Nationally advertised "obtainable from chemists," 35/-, Full trade terms, Order by waist size from Manly Co., Manor House, Worcester Park, Surrey DERwent 3877.

MANUFACTURING JEWELLERS offer op-portunity to increase turnover and profits. Bead necklaces, earclips, etc. Write for wholesale lists, Kopelands, 43 Coolgardie Avenue, E.4. C 5218

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ALITE 13-cwt, capacity, stainless steel, horizontal powder mixer, Motorised, Alite Arenco type LF loose powder filling machine with stainless steel contact parts, Detalls: C. Skerman & Sons, Ltd., 10 Parson's Green, London, S.W.6, RENown 6402. C 8187

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CHEMIST SHOP FIXTURES and fittings for sale. Includes glass tank cases, drug runs, wall fixtures, dispensing screen. Can be viewed North London, Apply to Box C 5243.

COMPLETE SHOP of light oak chemist's fittings for sale. Wall showcases, counters, etc., all good as new, Full particulars from B. Norman & Son, 5 Little Britain, London, E.C.1 (Tel. MON, 8501). C 8250

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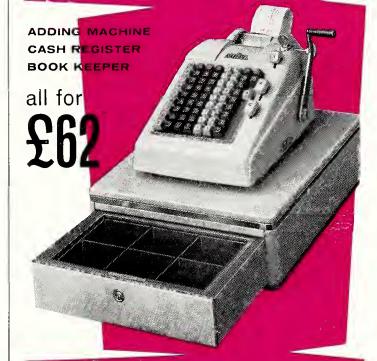


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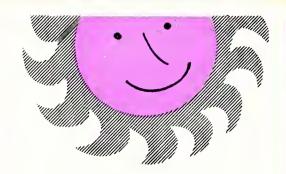
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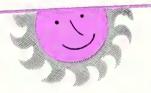
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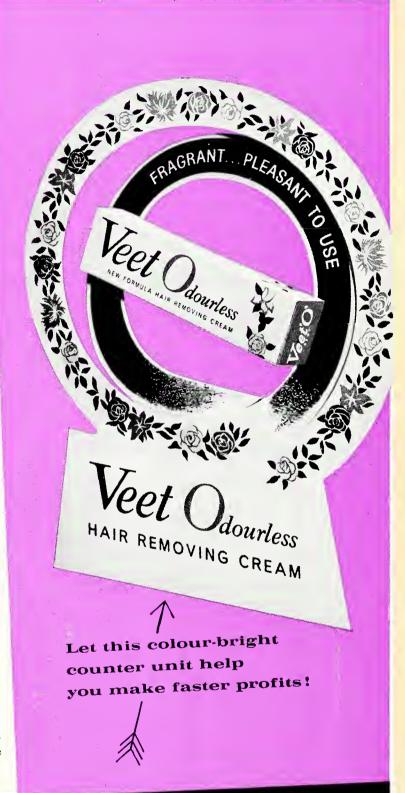
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